

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058587.D
 Acq On : 7 Oct 2019 23:02
 Operator : JC/SP
 Sample : VN1007WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 08 14:09:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	429547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	716808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	657808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	315090	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	306408	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	7.57	113	220162	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.08	98	840139	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	12.41	95	320718	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	87331	18.542	ug/l	98
3) Chloromethane	2.04	50	122713	23.699	ug/l	100
4) Vinyl Chloride	2.17	62	115819	22.833	ug/l	97
5) Bromomethane	2.54	94	57256	21.251	ug/l	100
6) Chloroethane	2.68	64	70588	23.225	ug/l	98
7) Trichlorofluoromethane	3.00	101	142031	23.203	ug/l	99
8) Diethyl Ether	3.39	74	55804	21.129	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84595	20.349	ug/l	98
10) Methyl Iodide	3.93	142	79210	17.184	ug/l	100
11) Tert butyl alcohol	4.76	59	91046	130.562	ug/l	97
12) 1,1-Dichloroethene	3.72	96	81631	20.145	ug/l	97
13) Acrolein	3.58	56	25666	115.719	ug/l	97
14) Allyl chloride	4.30	41	159294	21.601	ug/l	94
15) Acrylonitrile	4.96	53	236920	116.574	ug/l	100
16) Acetone	3.79	43	210222	98.243	ug/l	98
17) Carbon Disulfide	4.03	76	210873	19.742	ug/l	98
18) Methyl Acetate	4.30	43	122568	22.774	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	315665	22.079	ug/l	99
20) Methylene Chloride	4.53	84	103861	21.033	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	88119	19.556	ug/l	97
22) Diisopropyl ether	5.93	45	343558	21.650	ug/l	97
23) Vinyl Acetate	5.87	43	1363663	113.969	ug/l	100
24) 1,1-Dichloroethane	5.82	63	190563	21.338	ug/l	99
25) 2-Butanone	6.81	43	313859	106.831	ug/l	97
26) 2,2-Dichloropropane	6.80	77	139225	18.962	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	108972	20.692	ug/l	99
28) Bromochloromethane	7.18	49	73798	20.672	ug/l	99
29) Tetrahydrofuran	7.19	42	211242	113.287	ug/l	99
30) Chloroform	7.36	83	193391	21.369	ug/l	98
31) Cyclohexane	7.64	56	166875	19.209	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	163496	22.000	ug/l	99
36) 1,1-Dichloropropene	7.78	75	137547	20.068	ug/l	100
37) Ethyl Acetate	6.91	43	133796	23.024	ug/l	98
38) Carbon Tetrachloride	7.76	117	139192	22.498	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	151257	18.897	ug/l	99
40) Benzene	8.03	78	407484	20.682	ug/l	99
41) Methacrylonitrile	7.15	41	64484	24.121	ug/l	95
42) 1,2-Dichloroethane	8.11	62	161701	21.096	ug/l	100
43) Isopropyl Acetate	8.15	43	230386	21.083	ug/l #	89
44) Trichloroethene	8.82	130	101929	20.952	ug/l	98
45) 1,2-Dichloropropane	9.11	63	116472	22.043	ug/l	97
46) Dibromomethane	9.20	93	70642	21.111	ug/l	98
47) Bromodichloromethane	9.39	83	146713	23.141	ug/l	98
48) Methyl methacrylate	9.19	41	106183	21.340	ug/l	96
49) 1,4-Dioxane	9.19	88	36696	551.542	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	674175	120.107	ug/l	99
52) Toluene	10.15	92	254959	20.560	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	159967	23.181	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	172389	22.505	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	103714	22.969	ug/l	98
56) Ethyl methacrylate	10.43	69	154689	22.577	ug/l	97
57) 1,3-Dichloropropane	10.71	76	181500	22.535	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	361561	132.339	ug/l	100
59) 2-Hexanone	10.75	43	474491	116.092	ug/l	98
60) Dibromochloromethane	10.90	129	105965	22.356	ug/l	98
61) 1,2-Dibromoethane	11.00	107	102466	22.209	ug/l	99
64) Tetrachloroethene	10.63	164	91310	21.848	ug/l	98
65) Chlorobenzene	11.43	112	270559	20.692	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	101750	23.096	ug/l	99
67) Ethyl Benzene	11.51	91	498524	21.049	ug/l	98
68) m/p-Xylenes	11.63	106	362469	40.677	ug/l	98
69) o-Xylene	11.95	106	178309	20.787	ug/l	98
70) Styrene	11.97	104	287775	20.651	ug/l	99
71) Bromoform	12.13	173	68995	23.042	ug/l #	99
73) Isopropylbenzene	12.25	105	479468	20.590	ug/l	99
74) N-amyl acetate	12.07	43	198028	21.377	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	149374	21.693	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	188310	32.720	ug/l #	100
77) Bromobenzene	12.53	156	116280	21.297	ug/l	100
78) n-propylbenzene	12.60	91	555121	21.160	ug/l	100
79) 2-Chlorotoluene	12.68	91	339103	20.942	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	407695	20.915	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40173	21.200	ug/l	98
82) 4-Chlorotoluene	12.78	91	339949	20.574	ug/l	99
83) tert-Butylbenzene	13.00	119	343463	20.881	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	410083	20.998	ug/l	98
85) sec-Butylbenzene	13.18	105	459327	21.217	ug/l	99
86) p-Isopropyltoluene	13.30	119	411752	21.607	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	205308	20.737	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	204176	20.728	ug/l	99
89) n-Butylbenzene	13.62	91	359506	20.826	ug/l	99
90) Hexachloroethane	13.88	117	68276	23.846	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	204429	21.490	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	29214	24.059	ug/l	93

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Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
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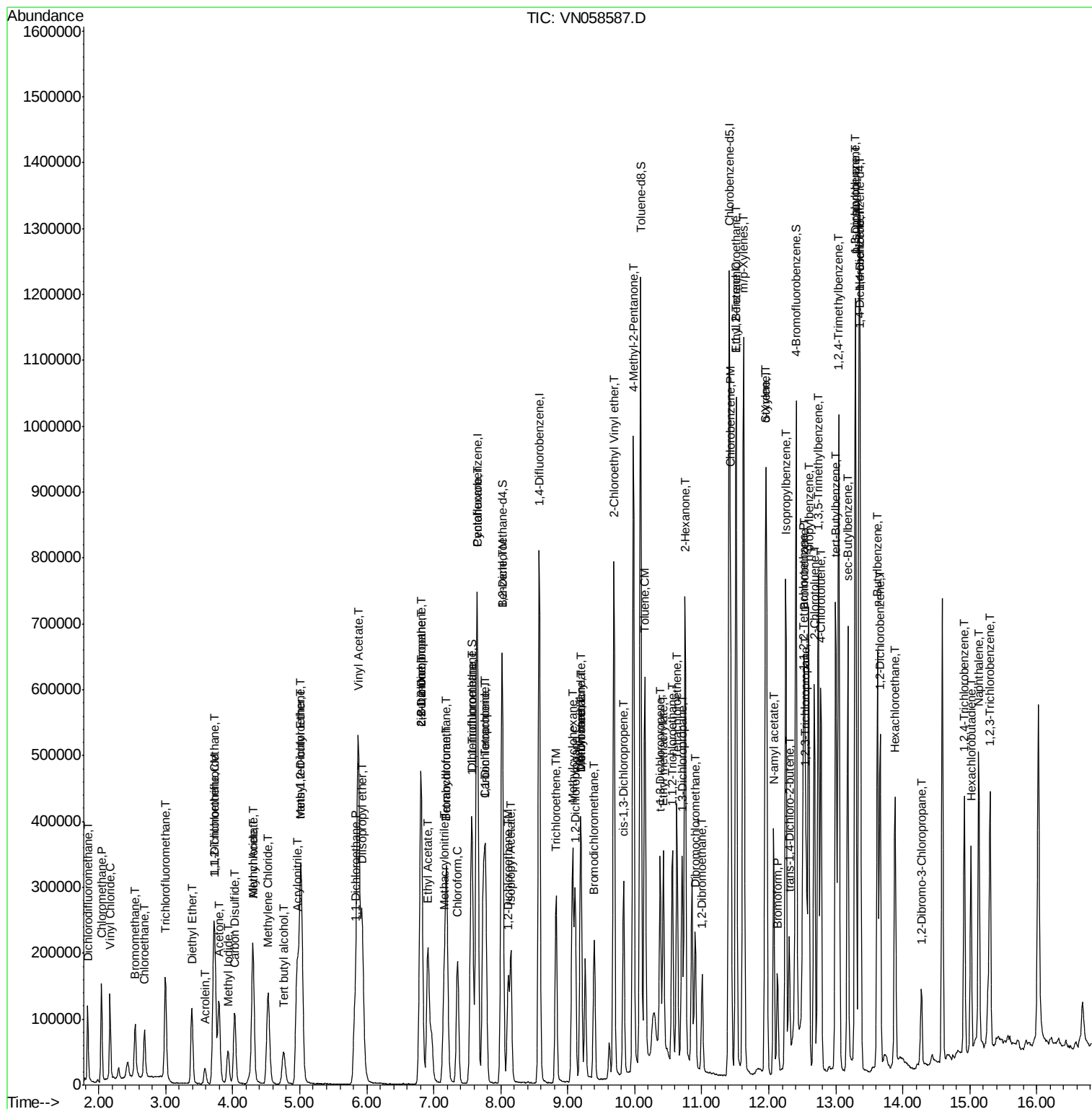
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	120268	22.879	ug/l	99
94) Hexachlorobutadiene	15.02	225	58169	21.529	ug/l	99
95) Naphthalene	15.13	128	347294	22.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	115151	21.835	ug/l	99

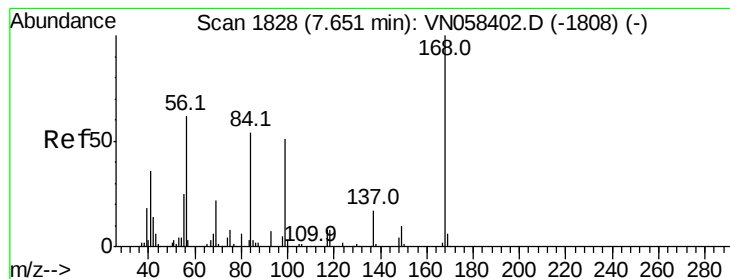
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

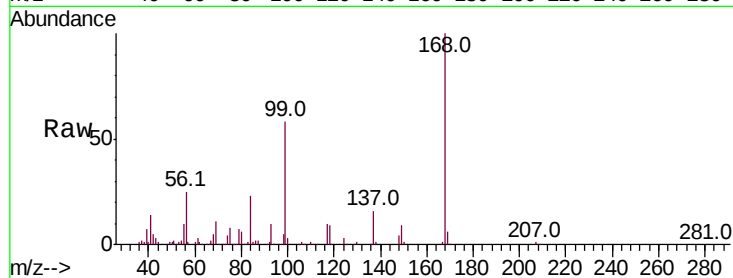
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 429547

Ion Ratio Lower Upper

168 100

99 57.5 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

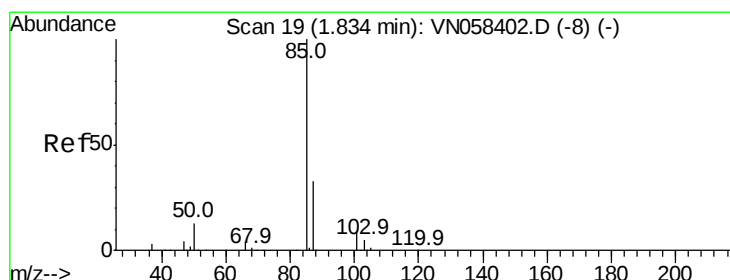
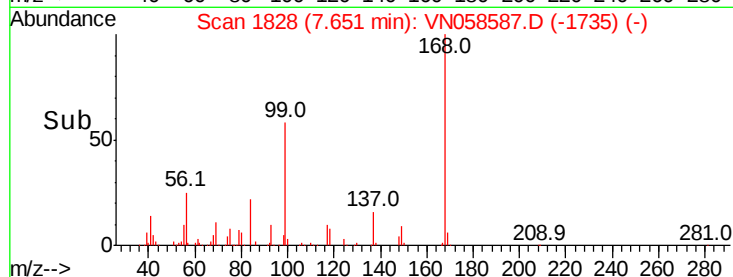
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.542 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058587.D

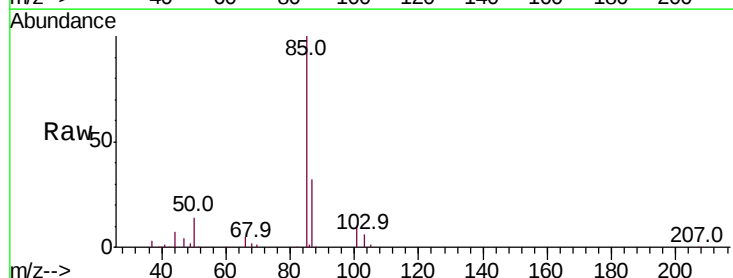
Acq: 7 Oct 2019 23:02

Tgt Ion: 85 Resp: 87331

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

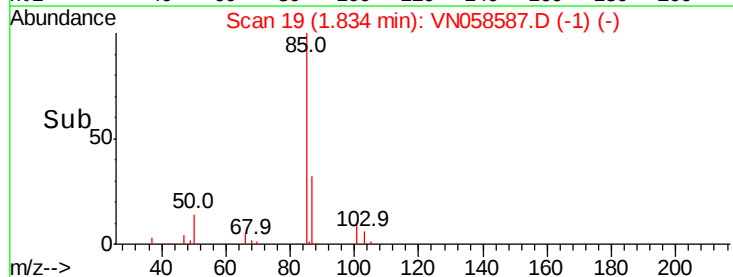
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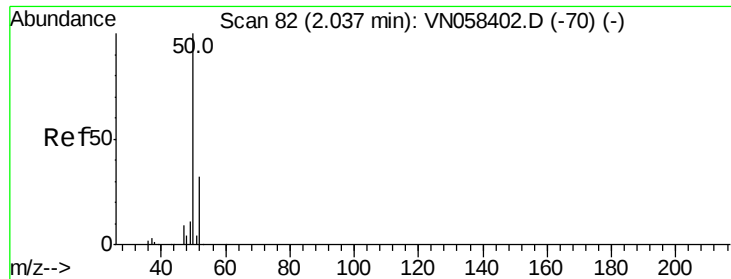
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 23.699 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

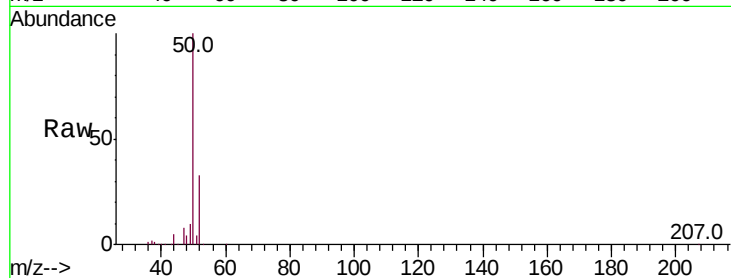
ClientSampled :

Tot Ion: 50 Resp: 122713

Ion Ratio Lower Upper

50 100

52 32.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.04

100000

80000

60000

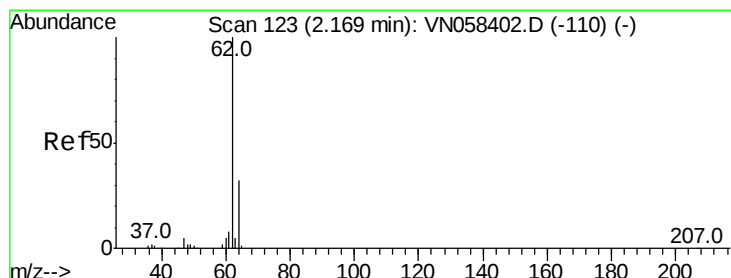
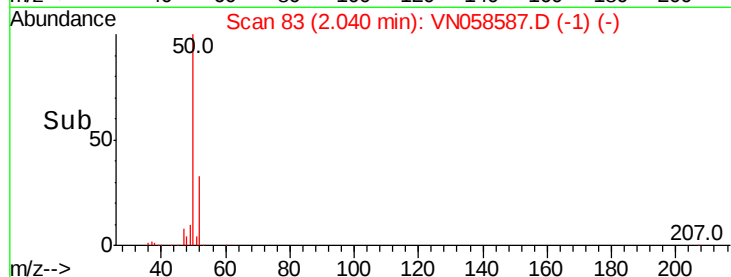
40000

20000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 22.833 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058587.D

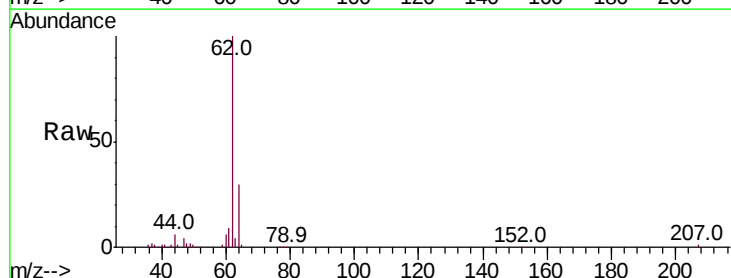
Acq: 7 Oct 2019 23:02

Tgt Ion: 62 Resp: 115819

Ion Ratio Lower Upper

62 100

64 30.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.17

80000

60000

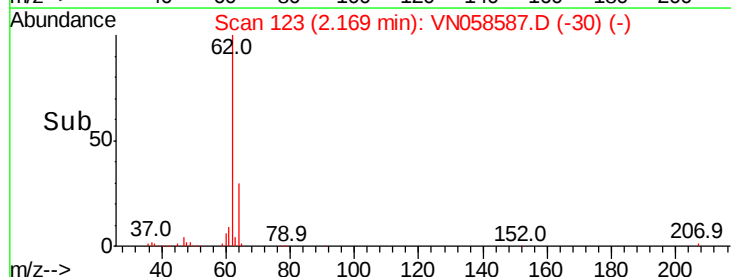
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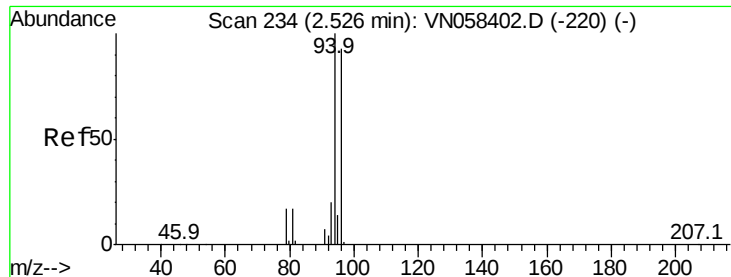
20000

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Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 21.251 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

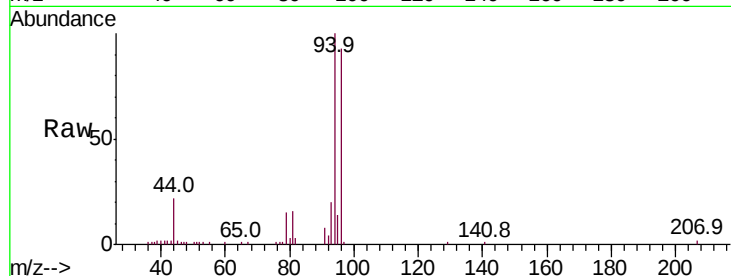
ClientSampleId :

Tot Ion: 94 Resp: 57256

Ion Ratio Lower Upper

94 100

96 93.5 74.8 112.2

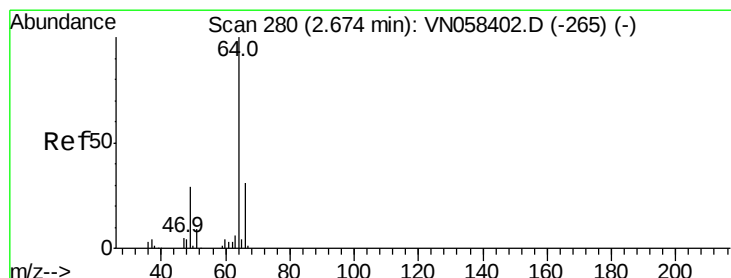
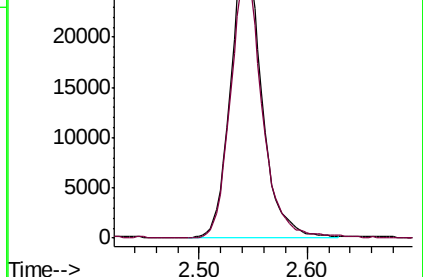
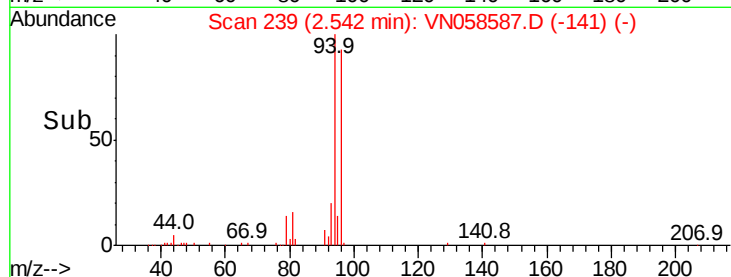


Abundance Ion 93.90 (93.60 to 94.60): VN058402.D (-220) (-)

Ion 95.90 (95.60 to 96.60): VN058402.D (-220) (-)

2.54

Time-->



#6

Chloroethane

Concen: 23.225 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058587.D

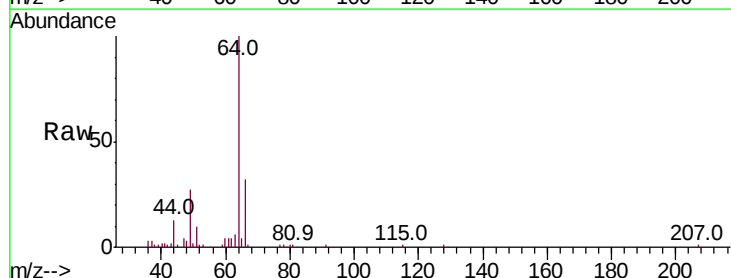
Acq: 7 Oct 2019 23:02

Tgt Ion: 64 Resp: 70588

Ion Ratio Lower Upper

64 100

66 31.5 24.4 36.6

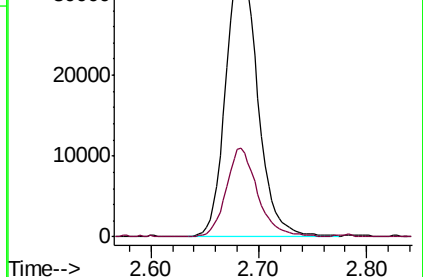
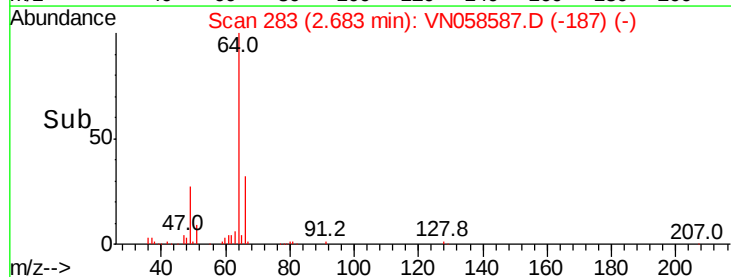


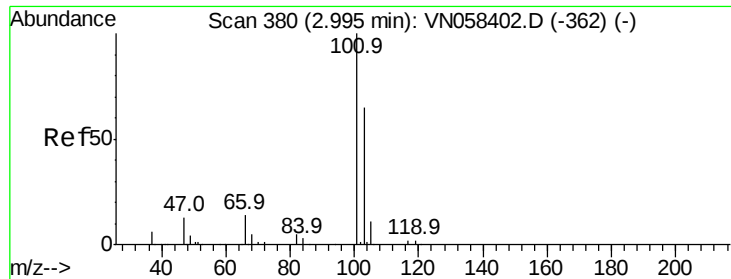
Abundance Ion 63.90 (63.60 to 64.60): VN058402.D (-265) (-)

Ion 65.90 (65.60 to 66.60): VN058402.D (-265) (-)

2.68

Time-->



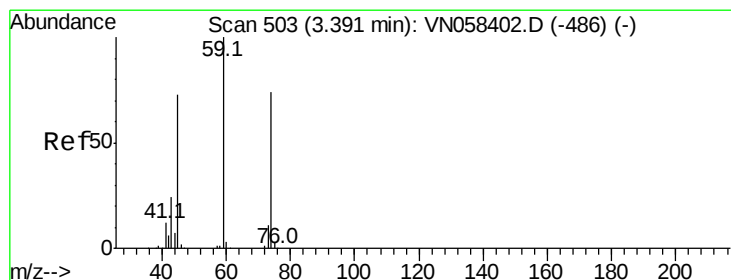
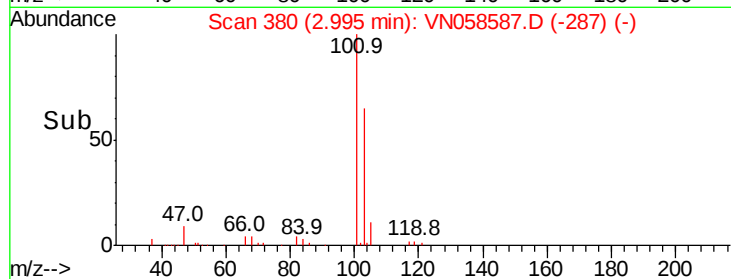
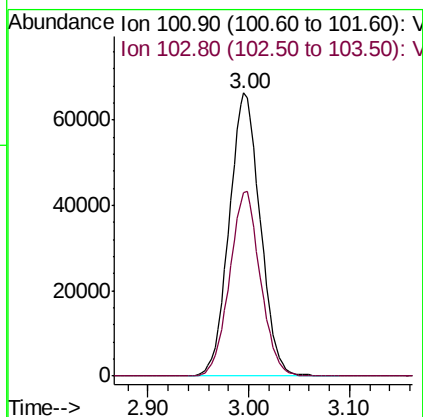
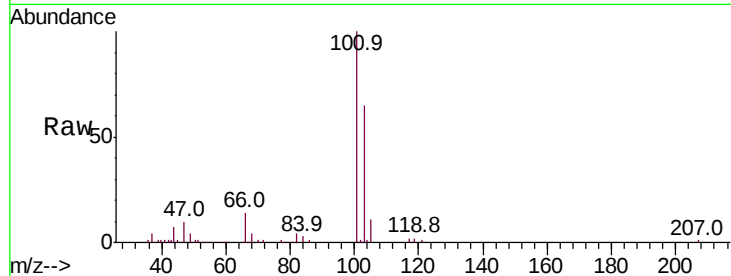


#7

Trichlorofluoromethane
Concen: 23.203 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampled :

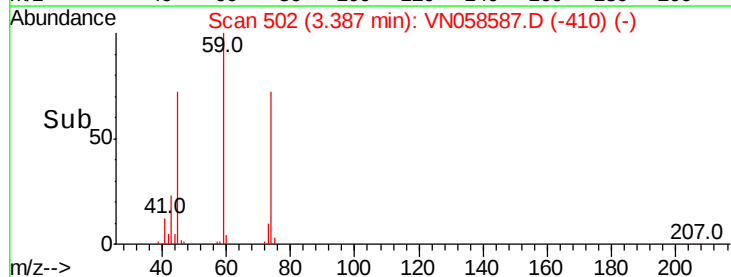
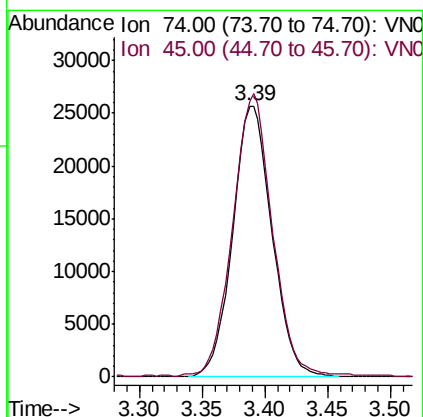
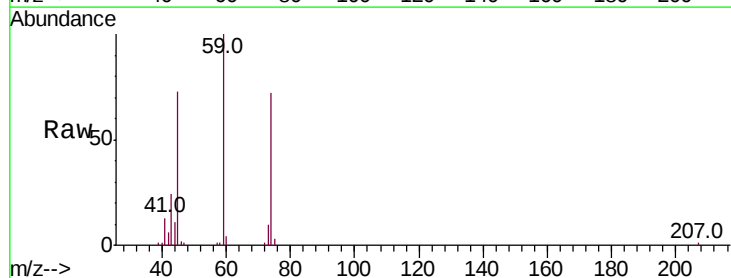
Tot Ion:101 Resp: 142031
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5

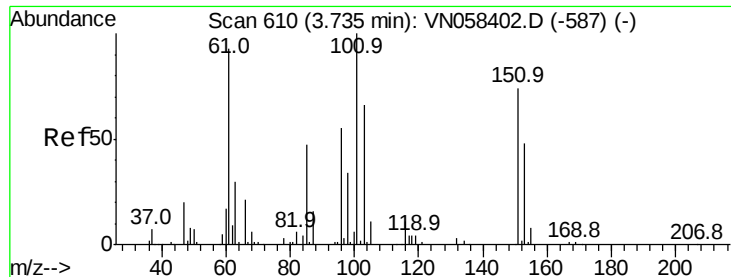


#8

Diethyl Ether
Concen: 21.129 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion: 74 Resp: 55804
Ion Ratio Lower Upper
74 100
45 106.2 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.349 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

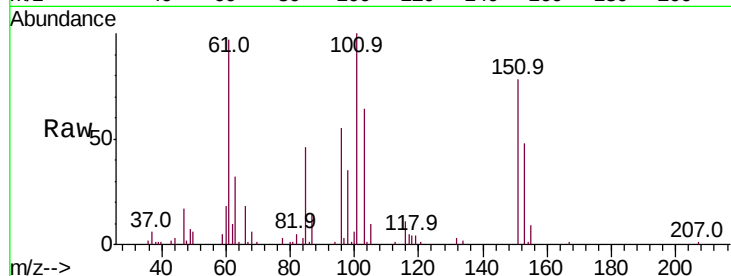
Tot Ion:101 Resp: 84595

Ion Ratio Lower Upper

101 100

85 46.4 36.7 55.1

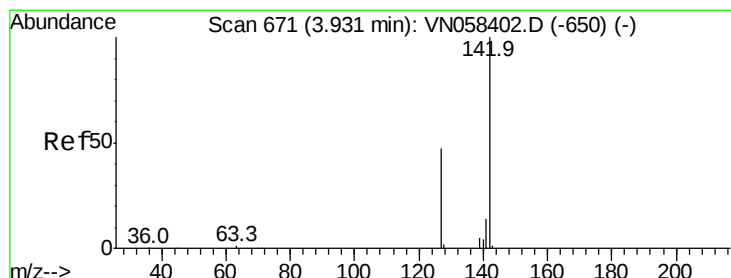
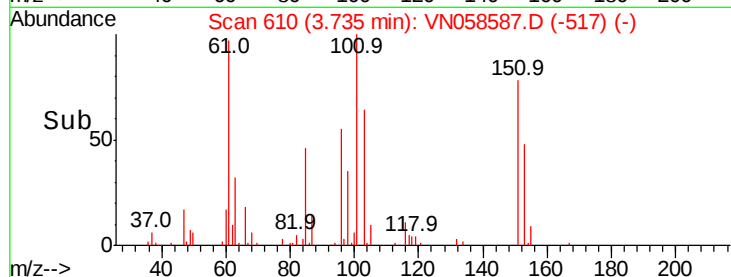
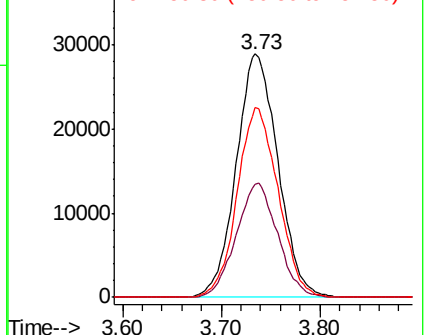
151 76.5 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.184 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

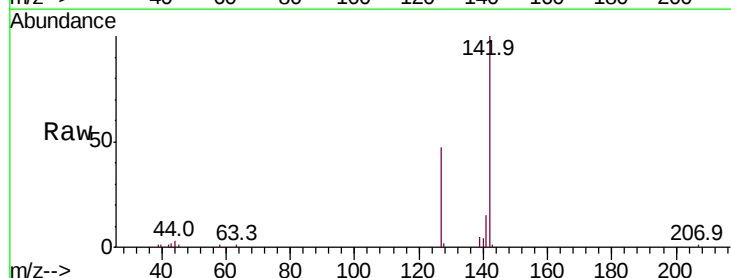
Tgt Ion:142 Resp: 79210

Ion Ratio Lower Upper

142 100

127 46.7 37.2 55.8

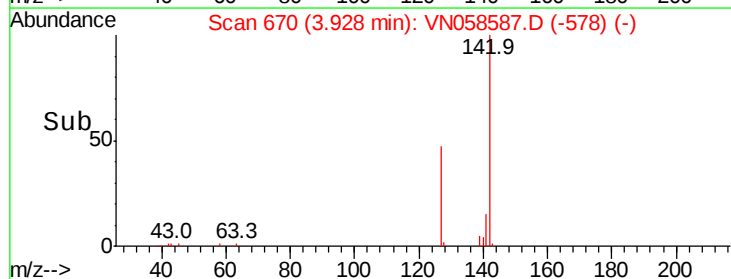
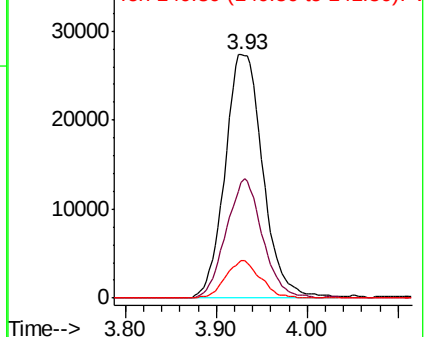
141 14.1 11.3 16.9

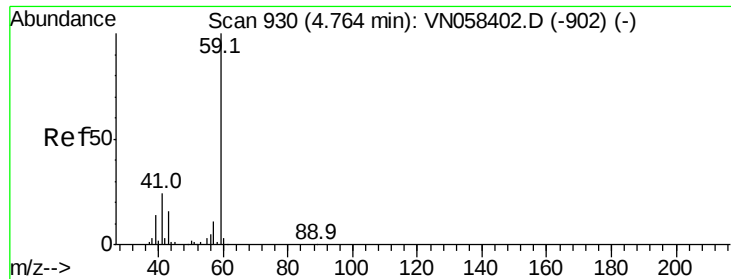


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



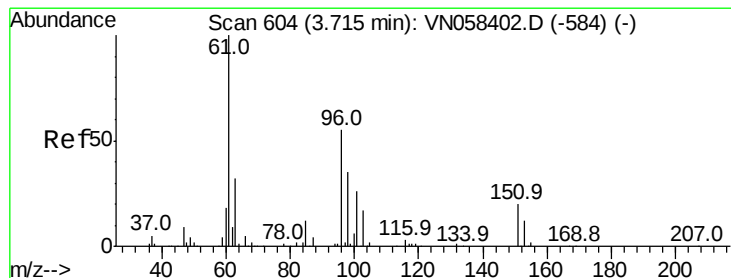
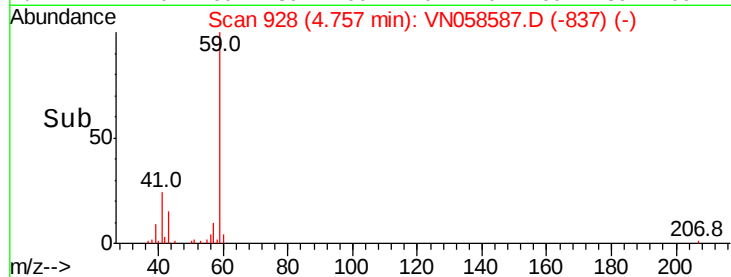
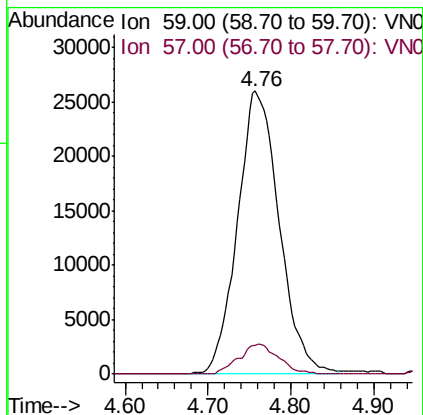
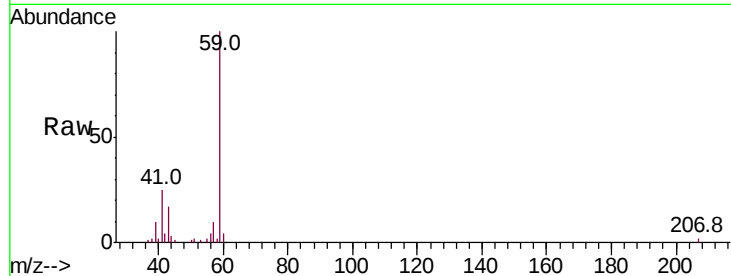


#11

Tert butyl alcohol
 Concen: 130.562 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
 MSVOA_N
 ClientSampled :

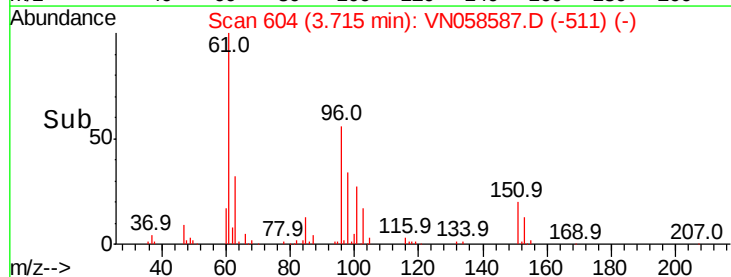
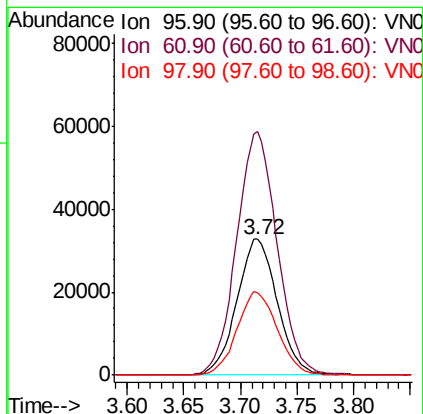
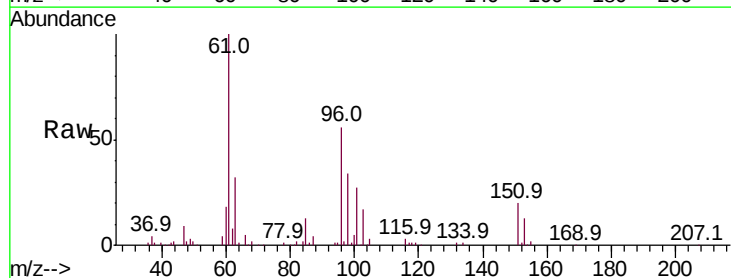
Tot Ion: 59 Resp: 91046
 Ion Ratio Lower Upper
 59 100
 57 10.0 9.0 13.4

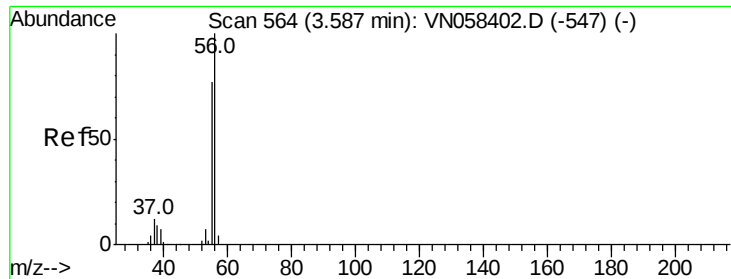


#12

1,1-Dichloroethene
 Concen: 20.145 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion: 96 Resp: 81631
 Ion Ratio Lower Upper
 96 100
 61 179.1 146.7 220.1
 98 60.4 51.3 76.9





#13

Acrolein

Concen: 115.719 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

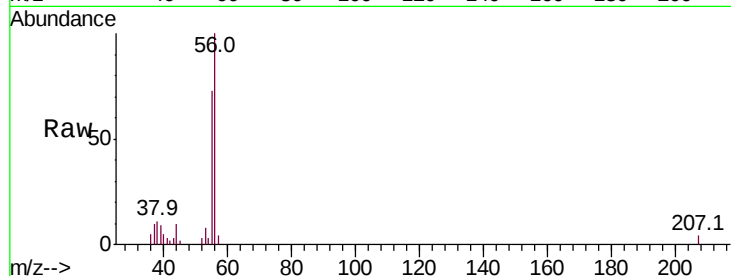
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 25666

Ion Ratio Lower Upper

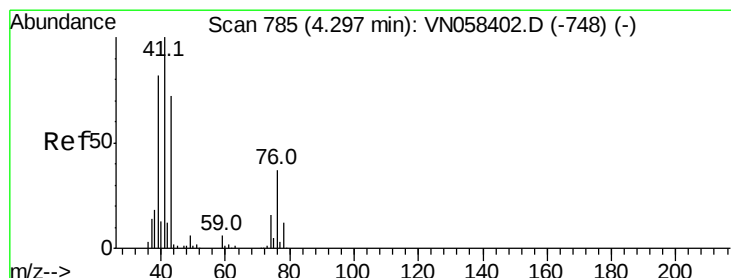
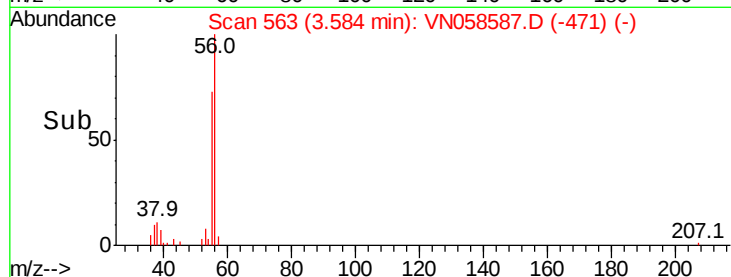
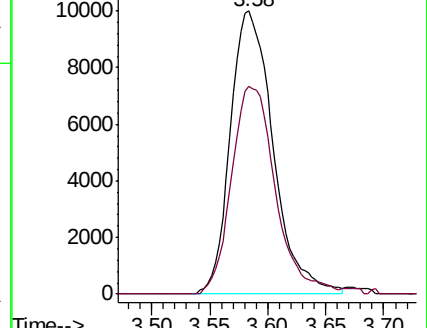
56 100

55 75.3 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VN058402.D (-547) (-)

Ion 55.00 (54.70 to 55.70): VN058402.D (-547) (-)



#14

Allyl chloride

Concen: 21.601 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

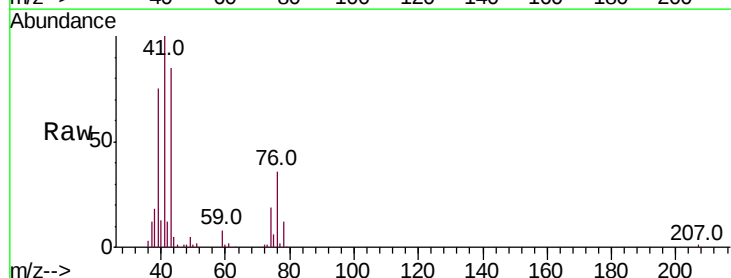
Tgt Ion: 41 Resp: 159294

Ion Ratio Lower Upper

41 100

39 71.7 62.3 93.5

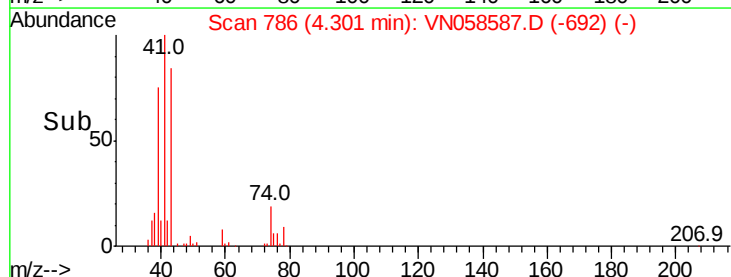
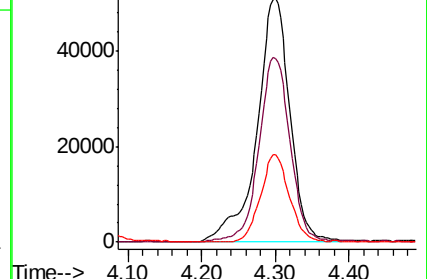
76 31.4 26.9 40.3

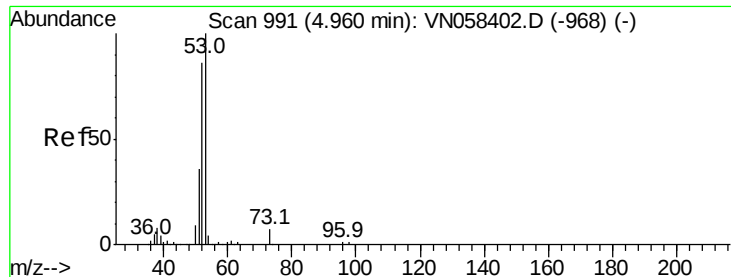


Abundance Ion 41.00 (40.70 to 41.70): VN058402.D (-748) (-)

Ion 39.00 (38.70 to 39.70): VN058402.D (-748) (-)

Ion 75.90 (75.60 to 76.60): VN058402.D (-748) (-)





#15

Acrylonitrile

Concen: 116.574 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

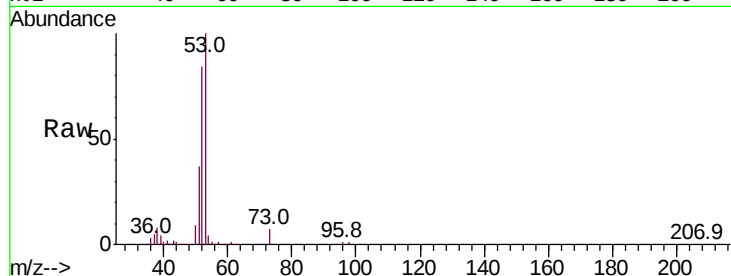
Tot Ion: 53 Resp: 236920

Ion Ratio Lower Upper

53 100

52 83.4 66.6 100.0

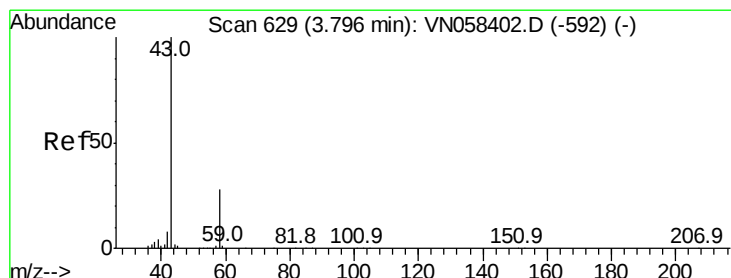
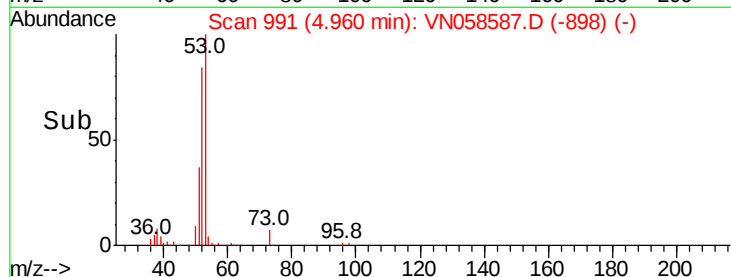
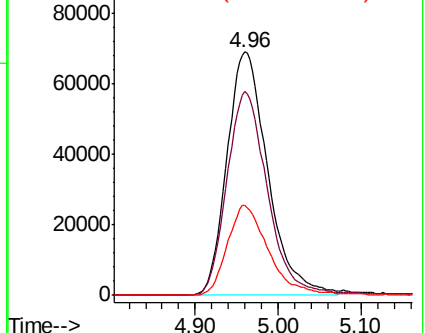
51 37.1 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 98.243 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058587.D

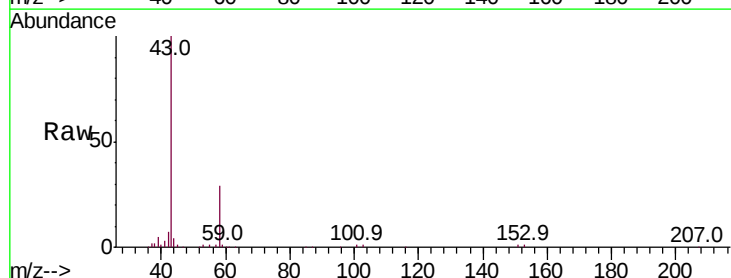
Acq: 7 Oct 2019 23:02

Tgt Ion: 43 Resp: 210222

Ion Ratio Lower Upper

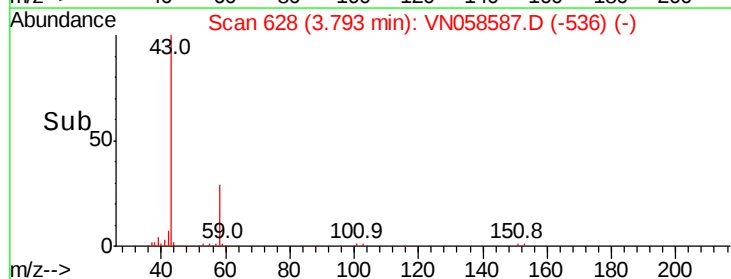
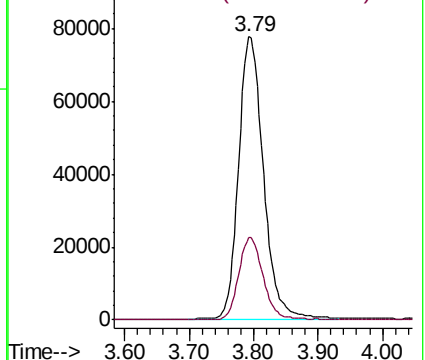
43 100

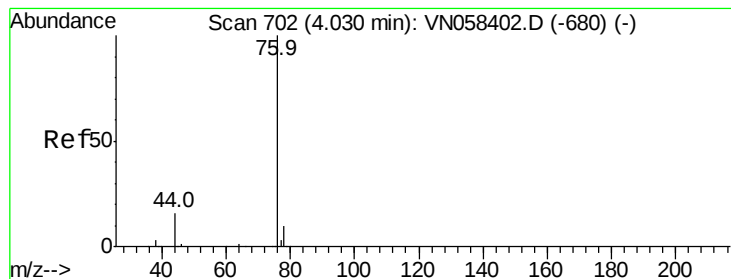
58 29.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.742 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

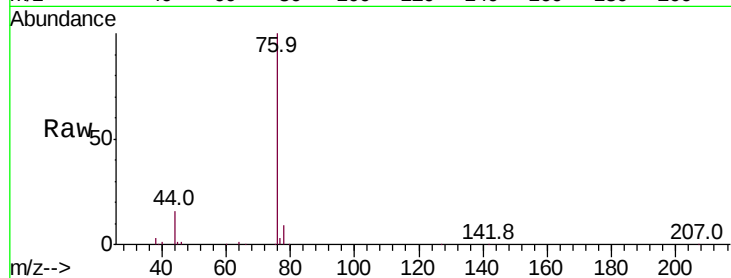
ClientSampleId :

Tot Ion: 76 Resp: 210873

Ion Ratio Lower Upper

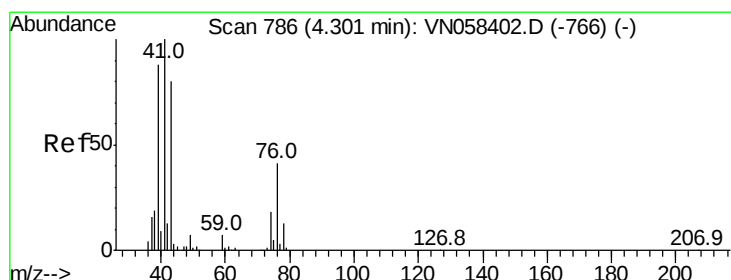
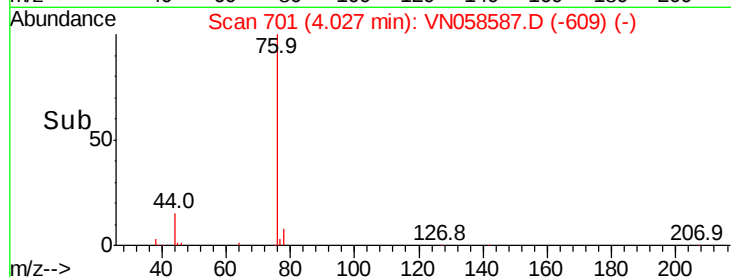
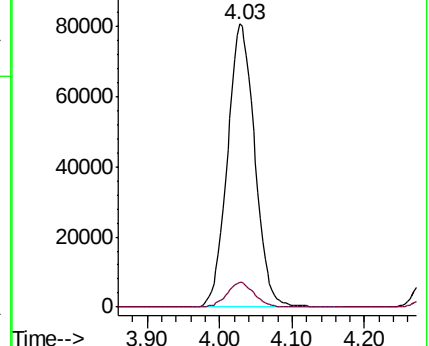
76 100

78 8.9 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 22.774 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058587.D

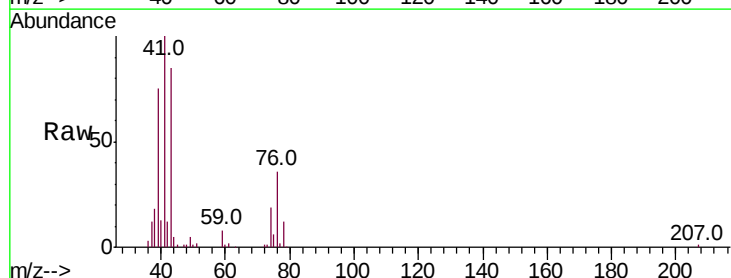
Acq: 7 Oct 2019 23:02

Tgt Ion: 43 Resp: 122568

Ion Ratio Lower Upper

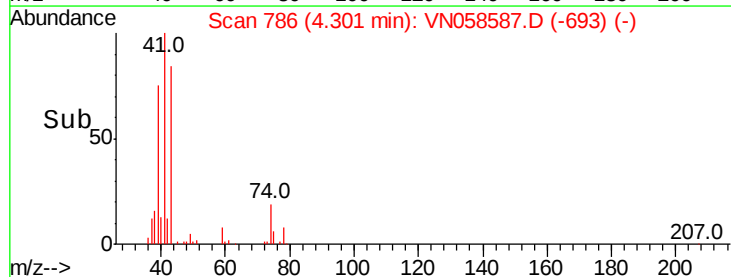
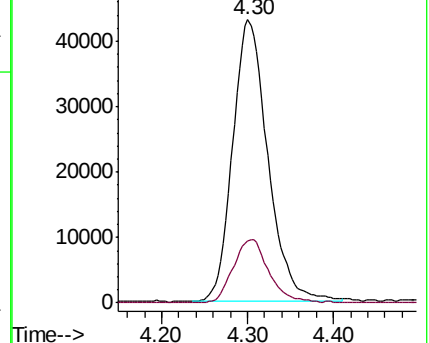
43 100

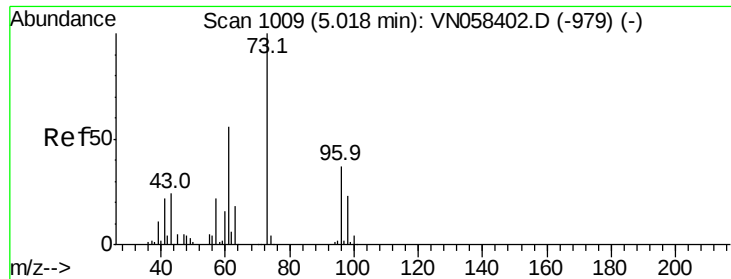
74 22.8 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

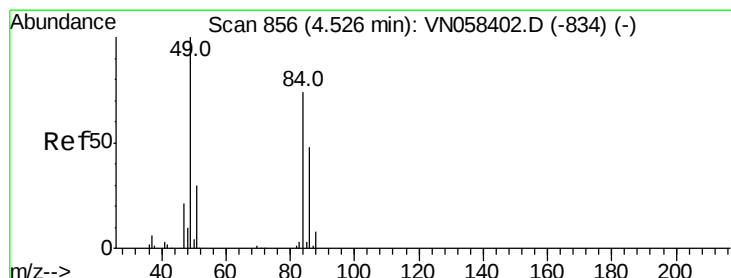
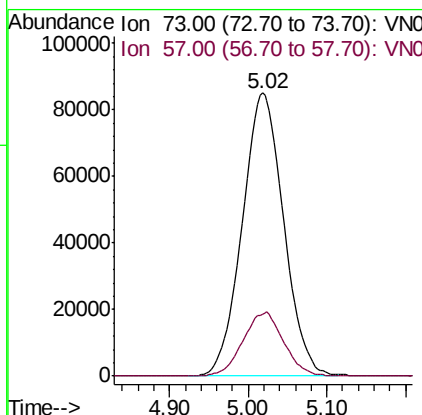
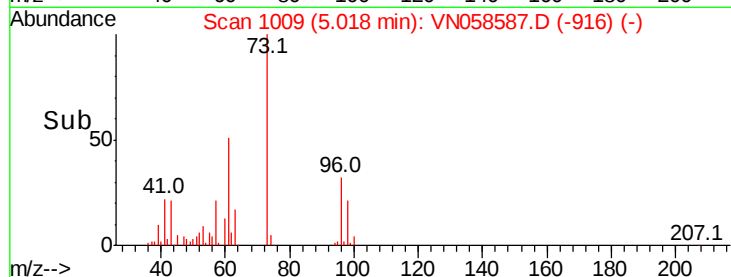
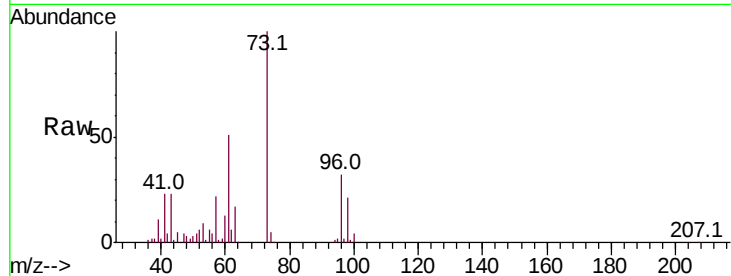




#19
Methvl tert-butvl Ether
Concen: 22.079 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

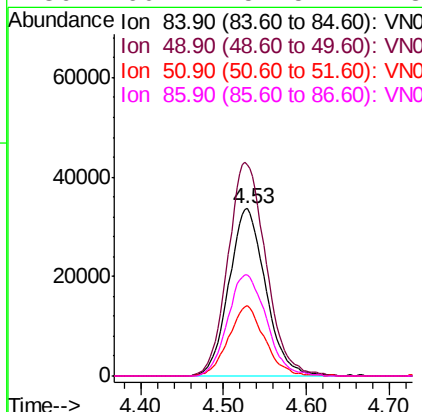
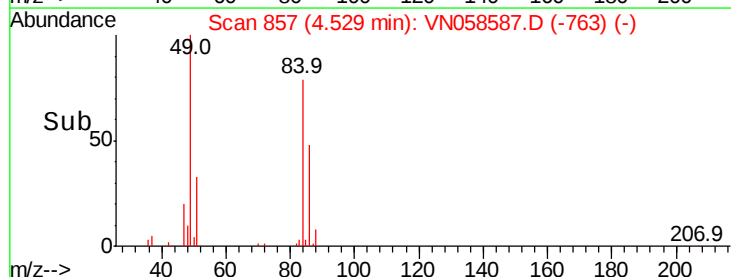
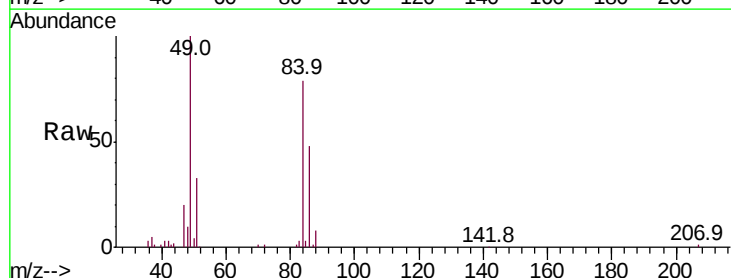
Instrument :
MSVOA_N
ClientSampleId :

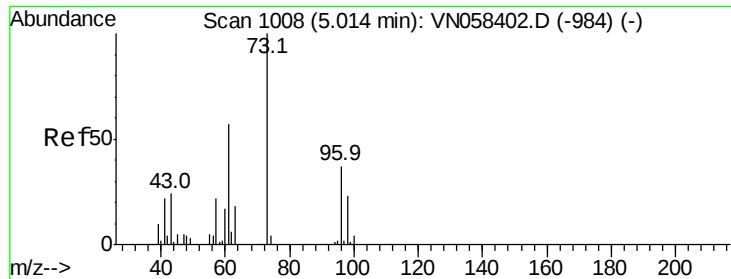
Tot Ion: 73 Resp: 315665
Ion Ratio Lower Upper
73 100
57 21.7 17.6 26.4



#20
Methylene Chloride
Concen: 21.033 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion: 84 Resp: 103861
Ion Ratio Lower Upper
84 100
49 126.5 107.9 161.9
51 41.9 32.8 49.2
86 60.7 51.5 77.3

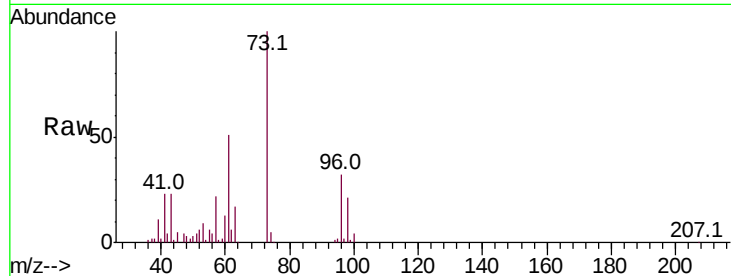




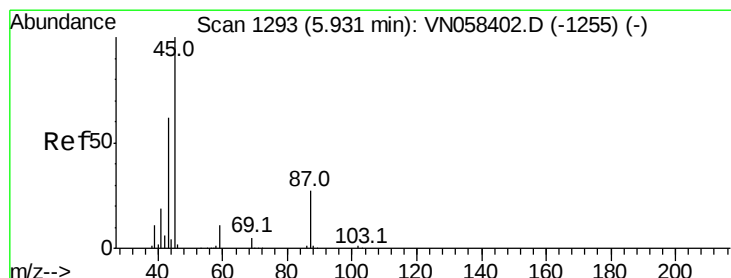
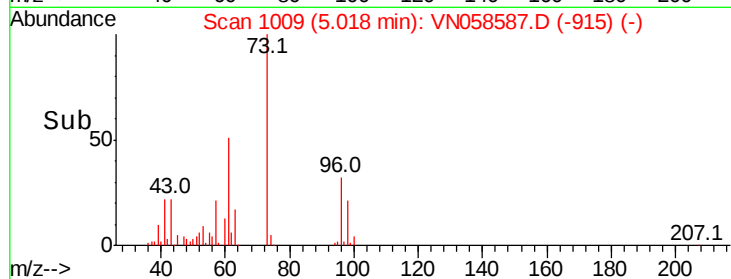
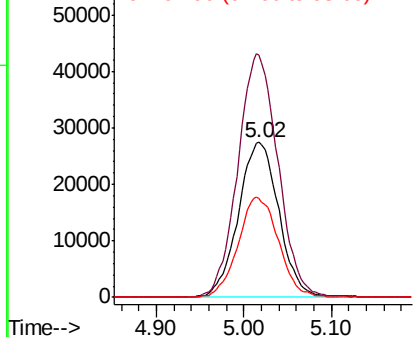
#21
trans-1,2-Dichloroethene
Concen: 19.556 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 88119
Ion Ratio Lower Upper
96 100
61 156.3 121.9 182.9
98 63.8 49.3 73.9

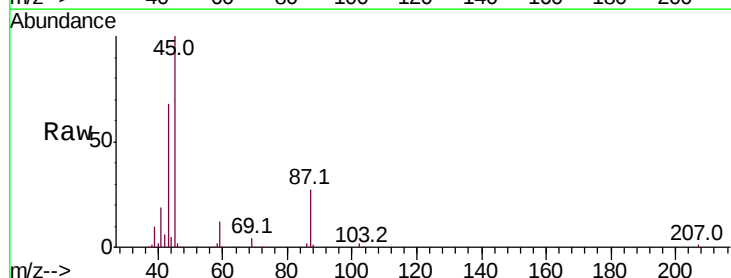


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

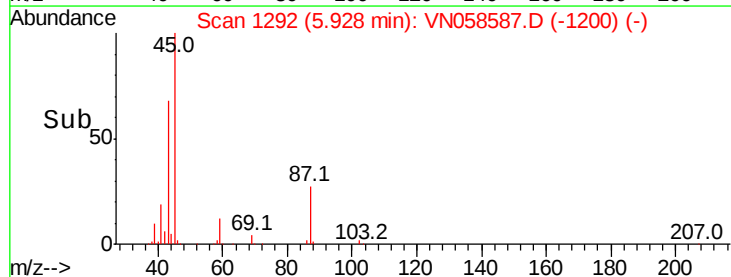
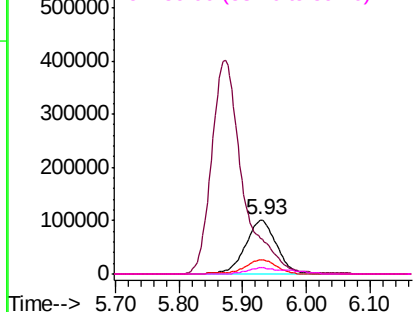


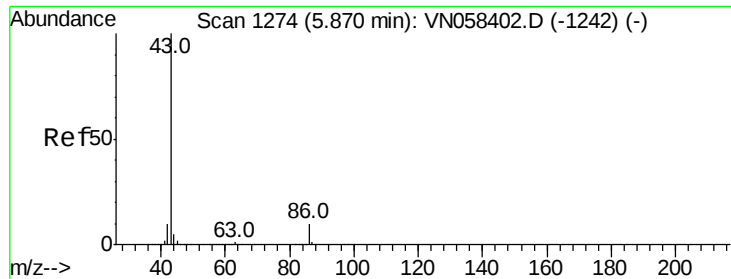
#22
Diisopropyl ether
Concen: 21.650 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion: 45 Resp: 343558
Ion Ratio Lower Upper
45 100
43 66.0 49.7 74.5
87 26.8 21.5 32.3
59 11.6 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 113.969 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

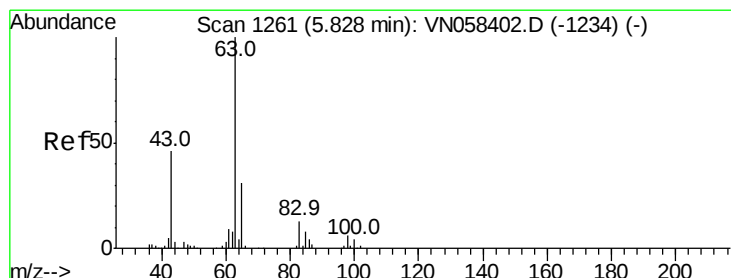
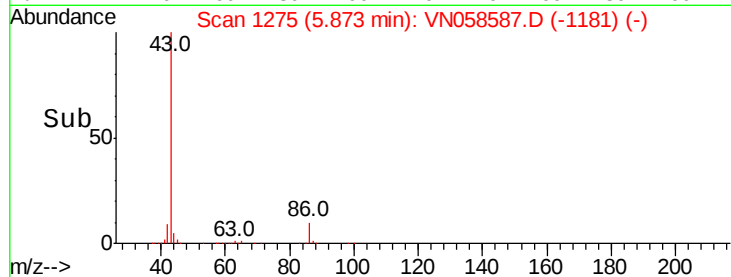
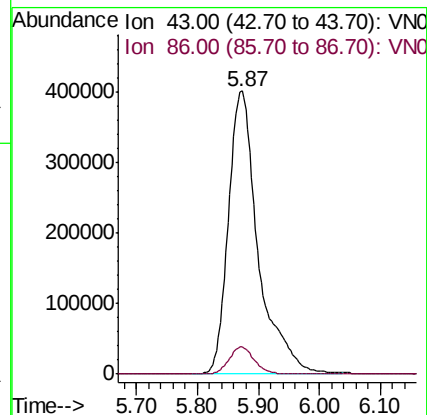
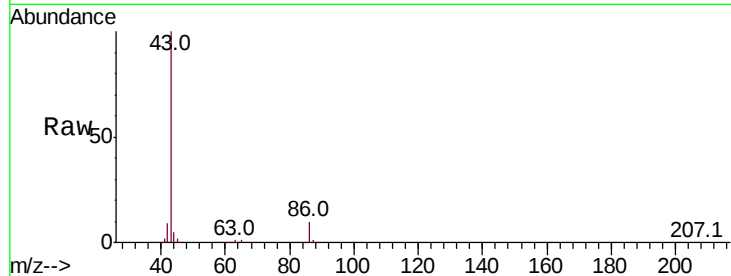
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1363663

Ion Ratio Lower Upper

43 100

86 9.6 7.7 11.5



#24

1,1-Dichloroethane

Concen: 21.338 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

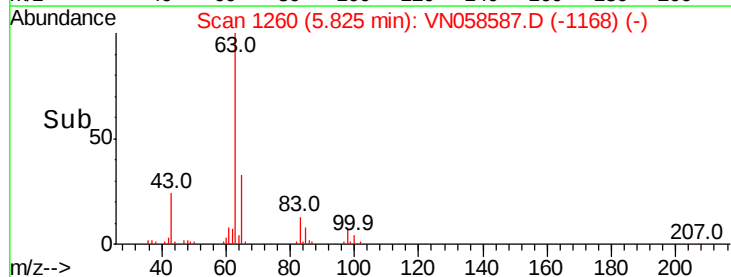
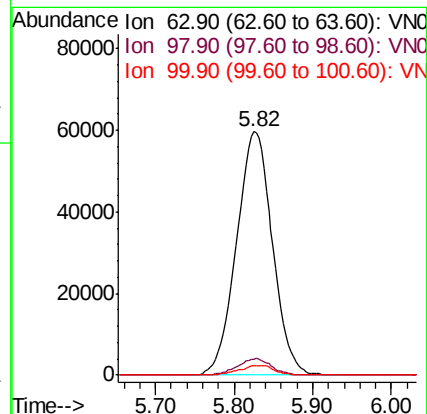
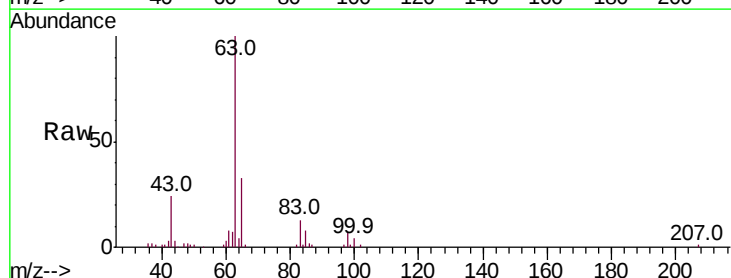
Tgt Ion: 63 Resp: 190563

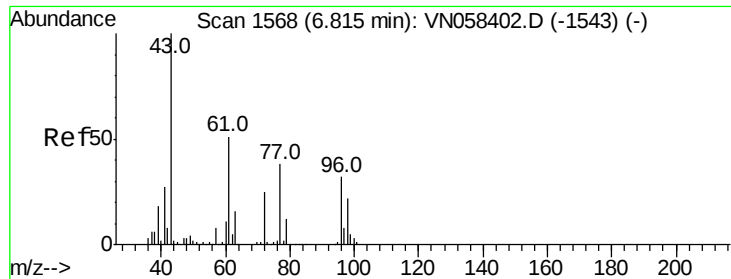
Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.0

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 106.831 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

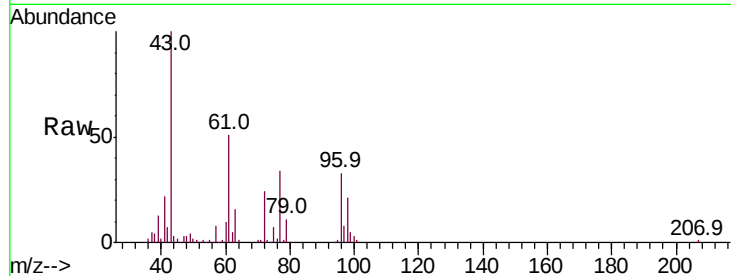
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 313859

Ion Ratio Lower Upper

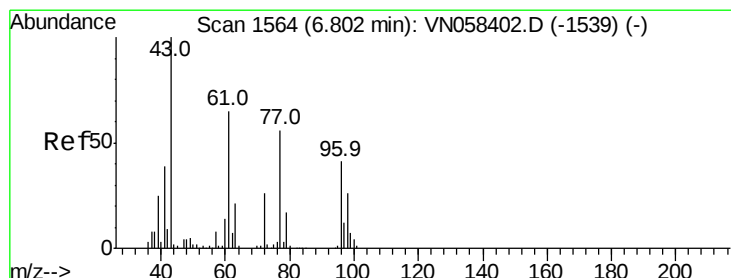
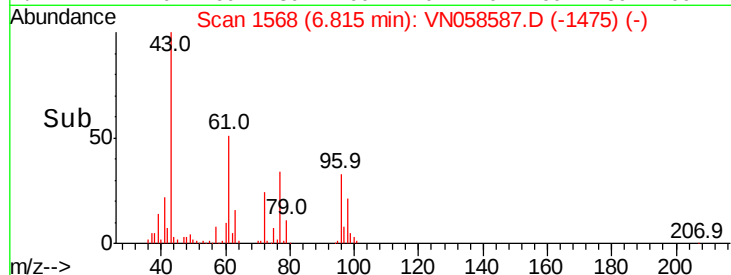
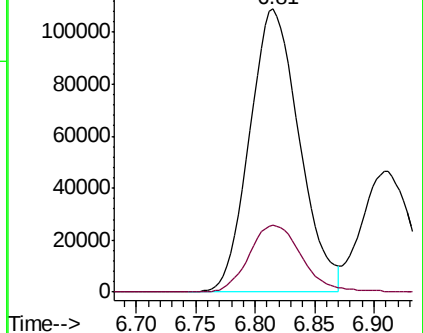
43 100

72 23.7 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.962 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058587.D

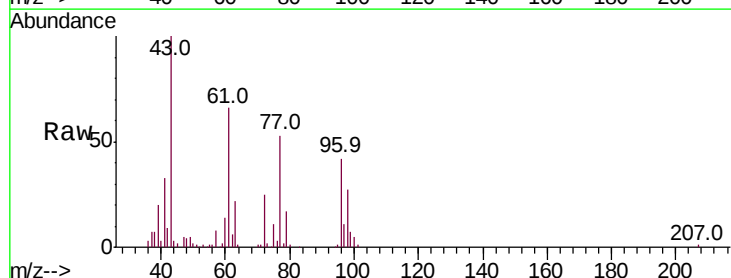
Acq: 7 Oct 2019 23:02

Tgt Ion: 77 Resp: 139225

Ion Ratio Lower Upper

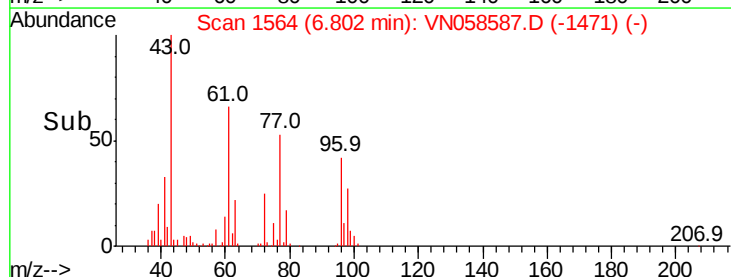
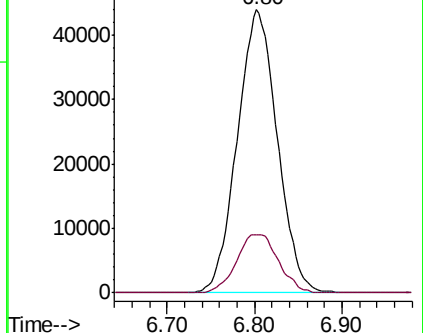
77 100

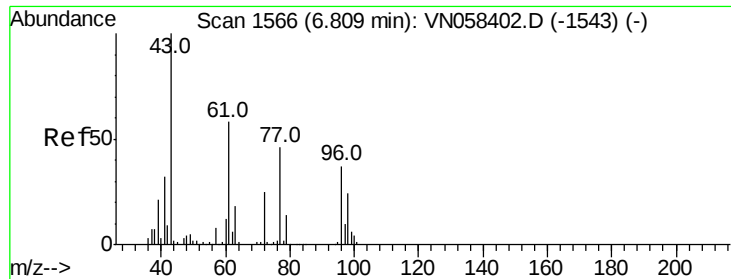
97 21.6 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

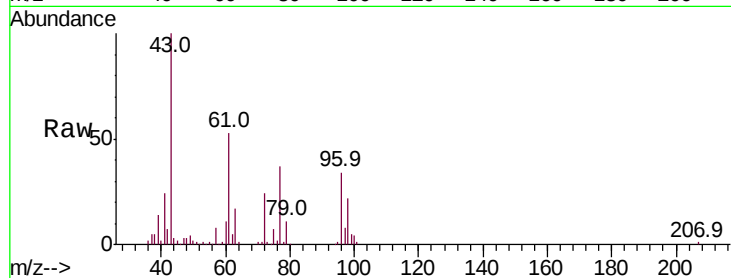




#27
 cis-1,2-Dichloroethene
 Concen: 20.692 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	96	Resp	108972
Ion Ratio	Lower	Upper	
96	100		
61	157.7	0.0	318.8
98	64.2	0.0	129.8

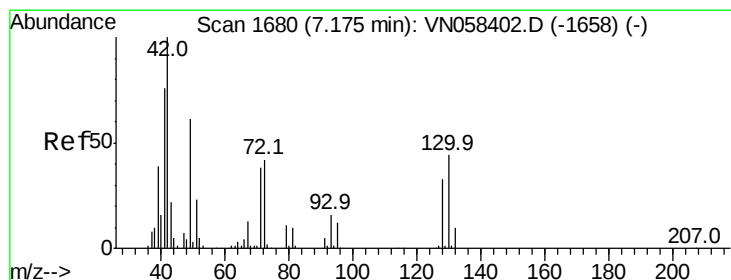
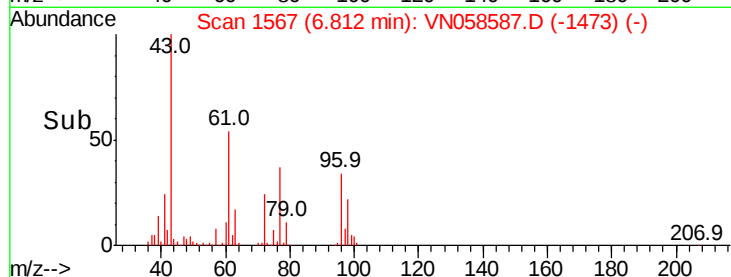
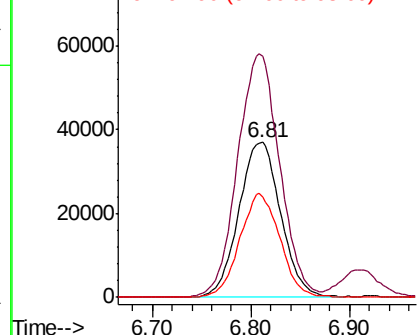


Abundance

Ion 95.90 (95.60 to 96.60): VN0

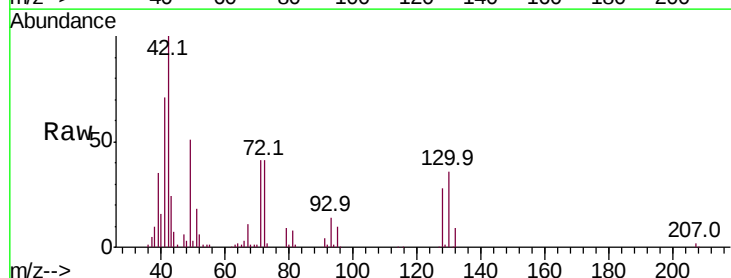
Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28
 Bromochloromethane
 Concen: 20.672 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion	49	Resp	73798
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.4
130	71.2	56.3	84.5

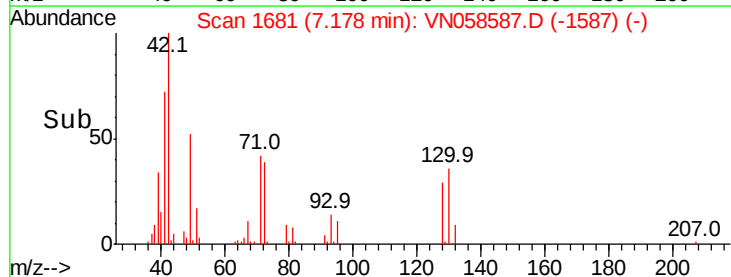
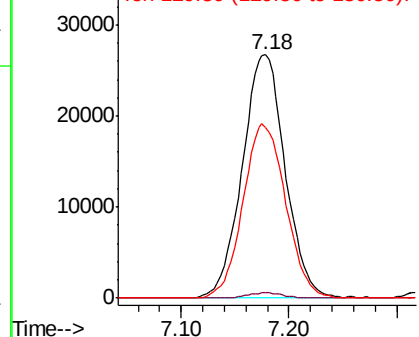


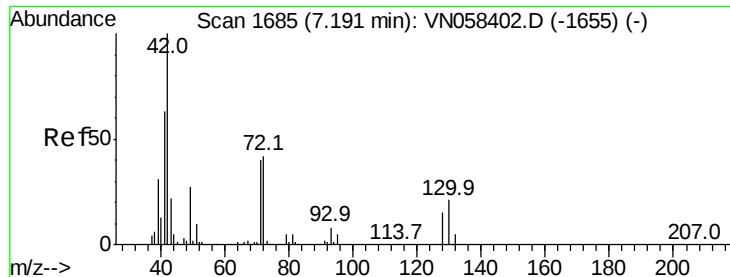
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

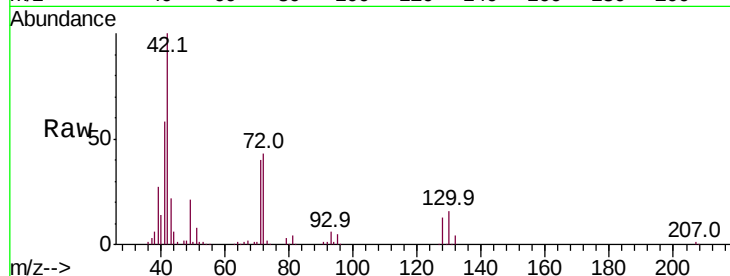




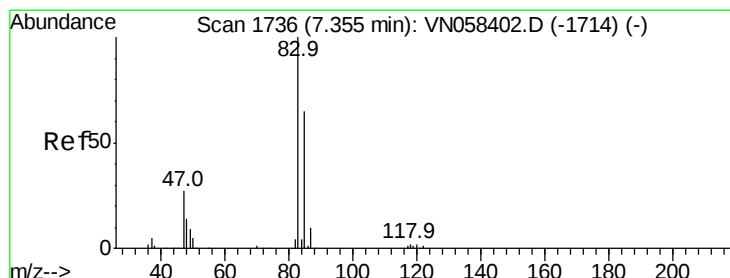
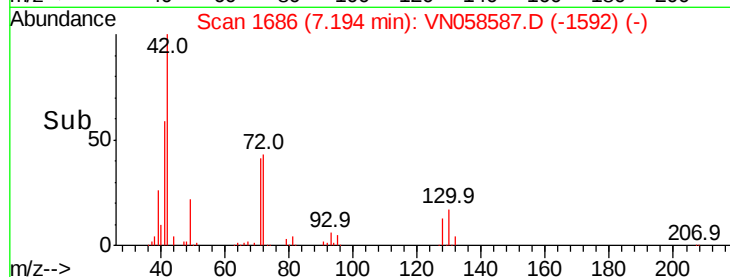
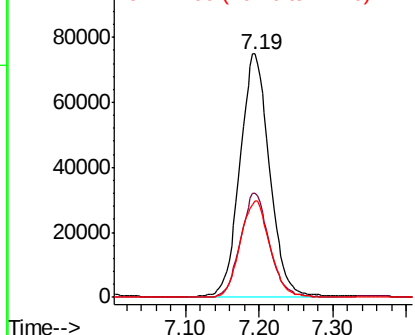
#29
Tetrahydrofuran
Concen: 113.287 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 211242
Ion Ratio Lower Upper
42 100
72 41.4 33.7 50.5
71 39.5 31.8 47.6

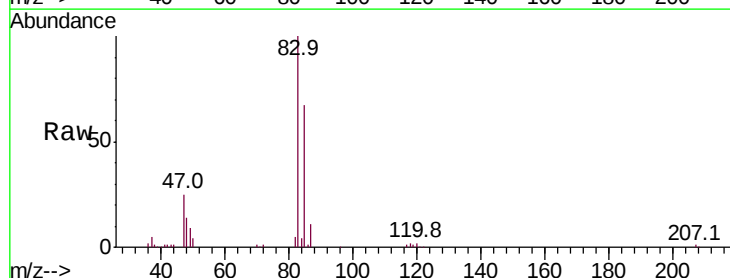


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

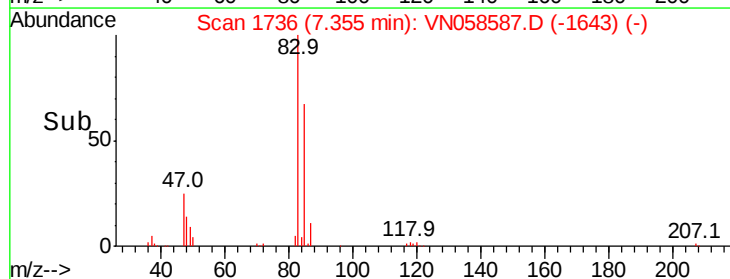
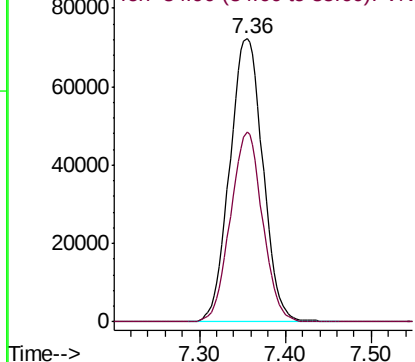


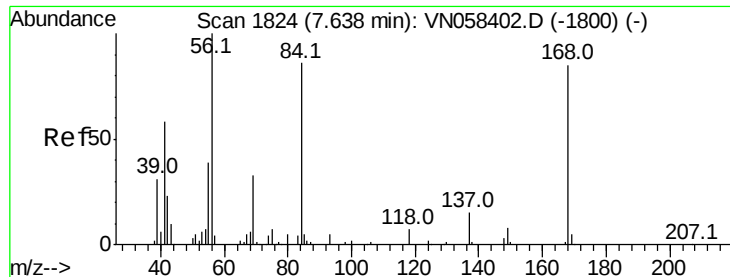
#30
Chloroform
Concen: 21.369 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion: 83 Resp: 193391
Ion Ratio Lower Upper
83 100
85 66.9 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.209 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampled :

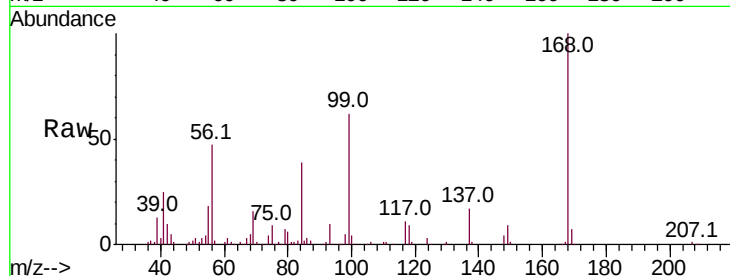
Tot Ion: 56 Resp: 166875

Ion Ratio Lower Upper

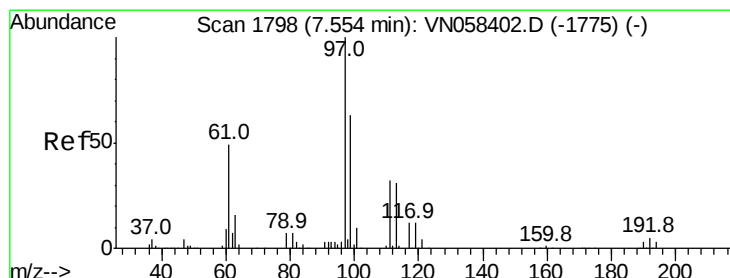
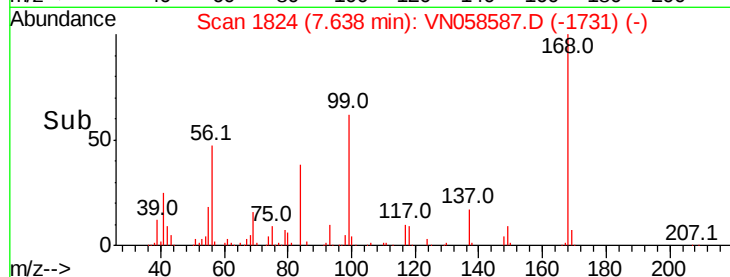
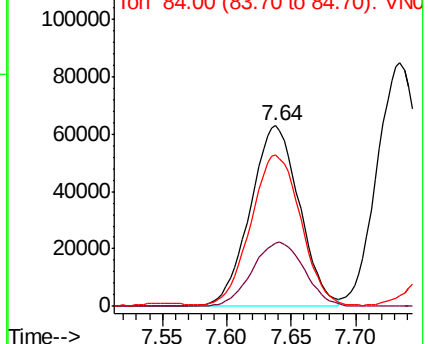
56 100

69 35.1 26.2 39.4

84 82.8 67.6 101.4



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 22.000 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

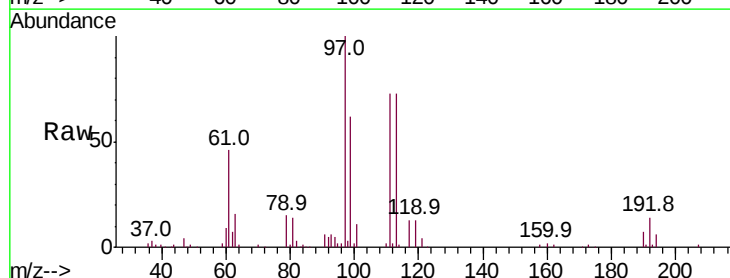
Tgt Ion: 97 Resp: 163496

Ion Ratio Lower Upper

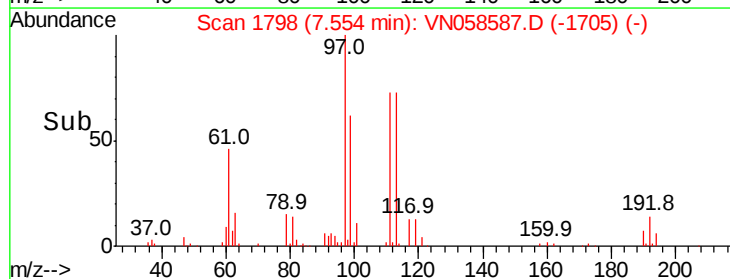
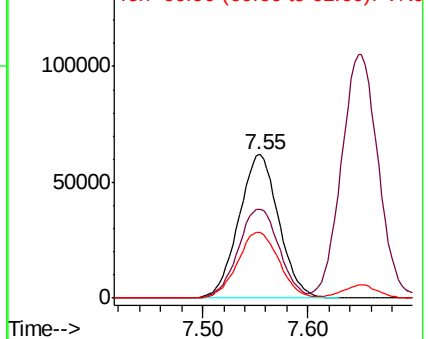
97 100

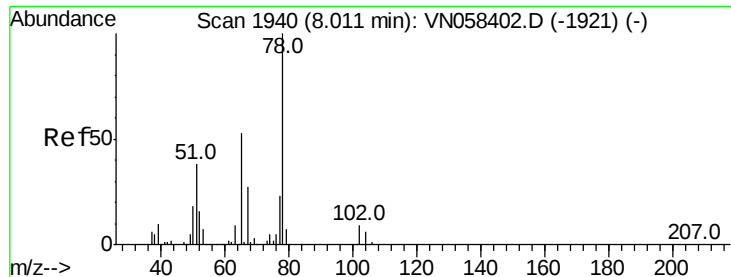
99 63.9 51.1 76.7

61 47.4 39.2 58.8



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 48.813 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

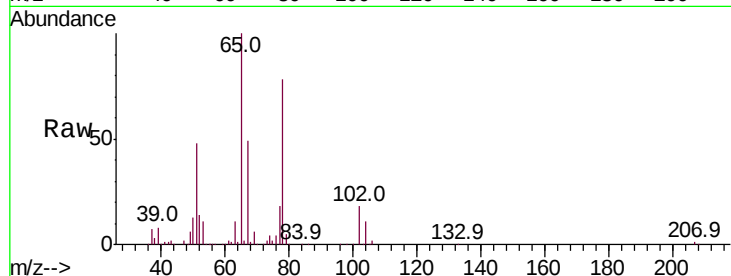
ClientSampleId :

Tot Ion: 65 Resp: 306408

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058402.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058402.D (-1921) (-)

8.01

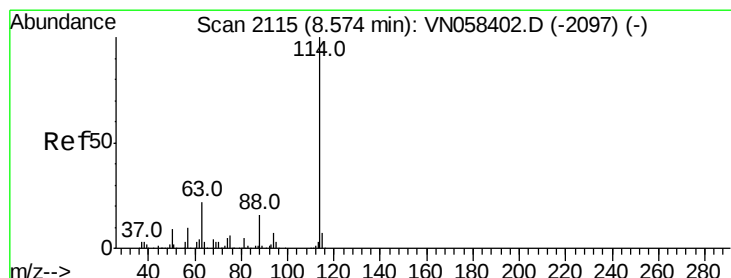
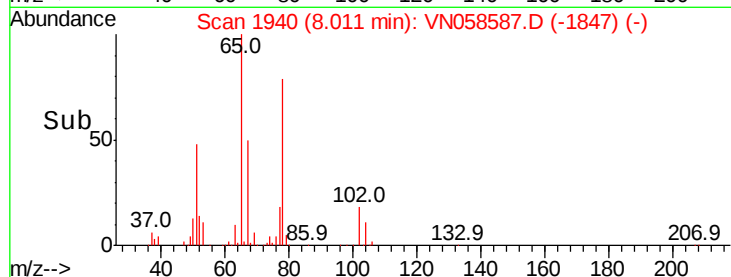
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

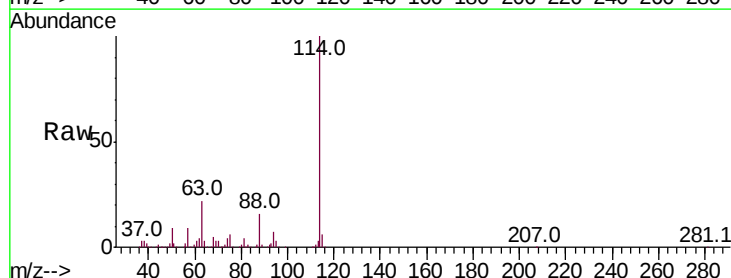
Tgt Ion: 114 Resp: 716808

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.0

88 16.2 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN058402.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058402.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058402.D (-2097) (-)

8.57

400000

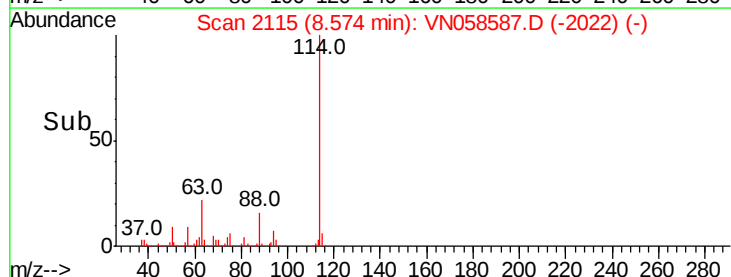
300000

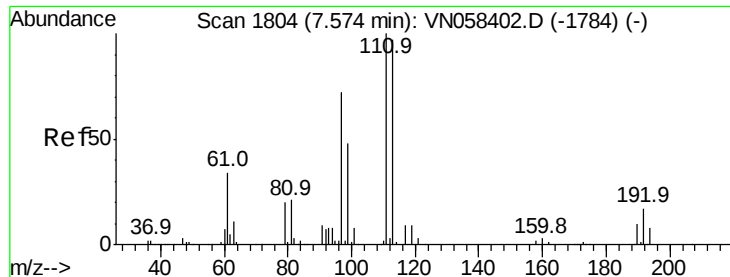
200000

100000

0

Time--> 8.50 8.55 8.60 8.65 8.70

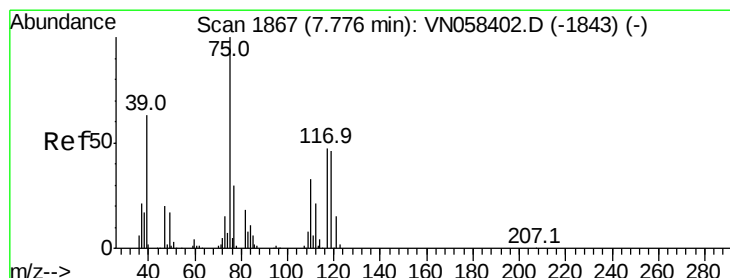
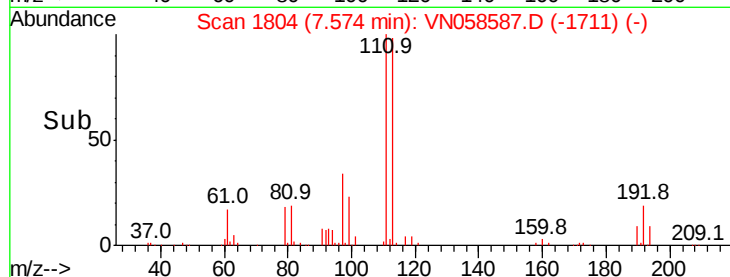
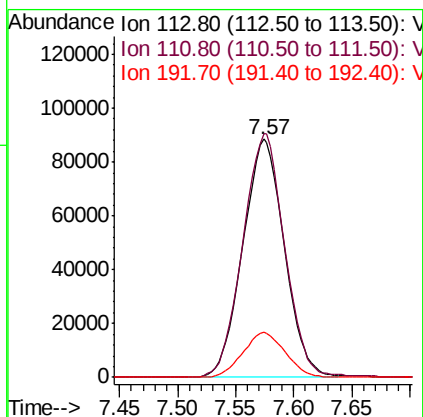
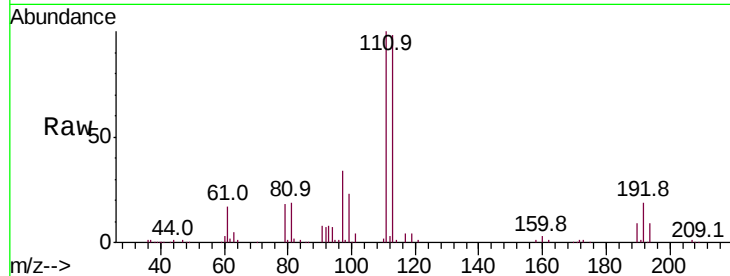




#35
 Dibromofluoromethane
 Concen: 50.114 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

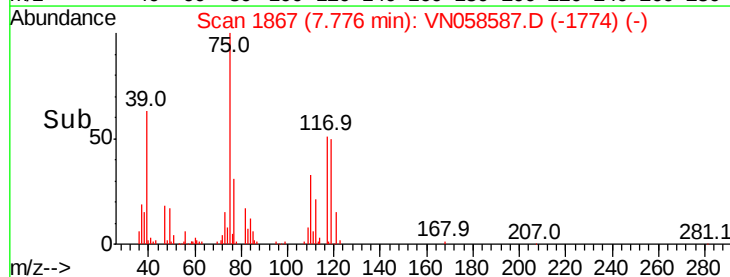
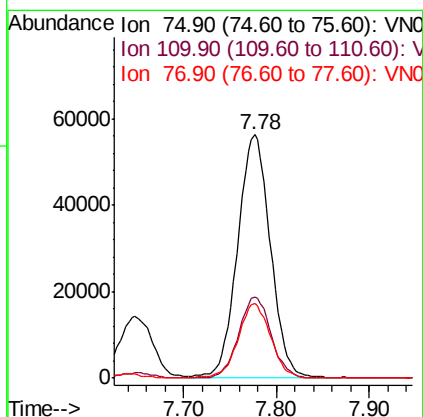
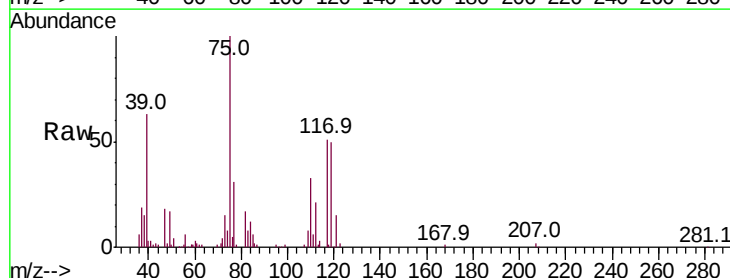
Instrument :
 MSVOA_N
 ClientSampleId :

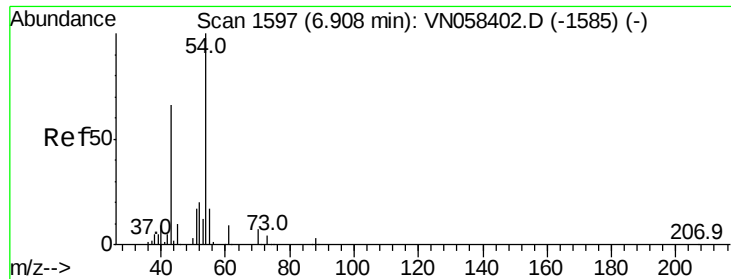
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.4	125.2
192	19.3	14.9	22.3



#36
 1,1-Dichloropropene
 Concen: 20.068 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.4	49.2
77	30.6	24.3	36.5

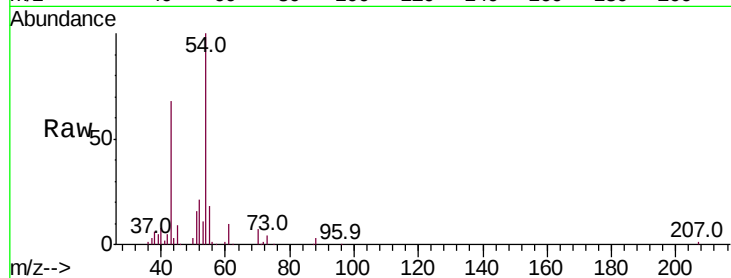




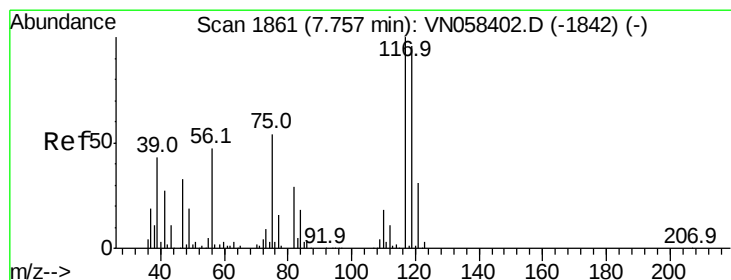
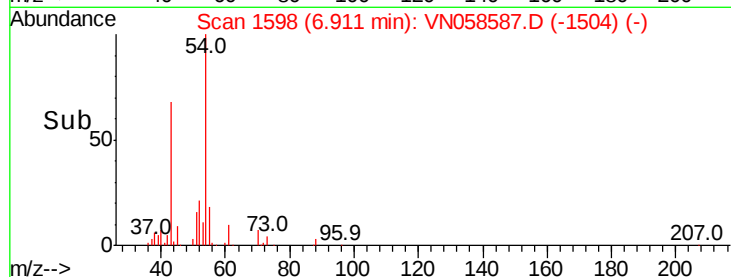
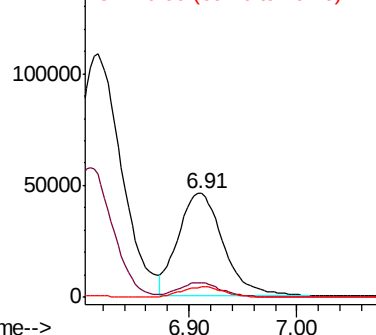
#37
Ethyl Acetate
Concen: 23.024 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 133796
Ion Ratio Lower Upper
43 100
61 14.1 10.5 15.7
70 9.9 7.8 11.6

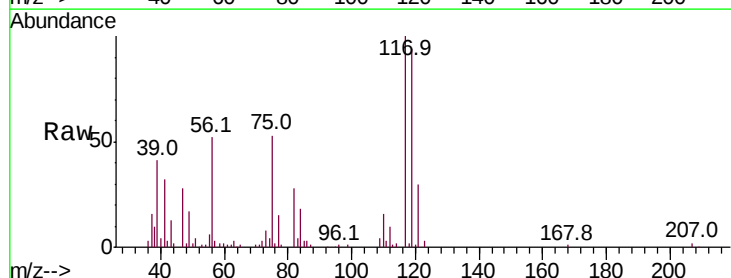


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

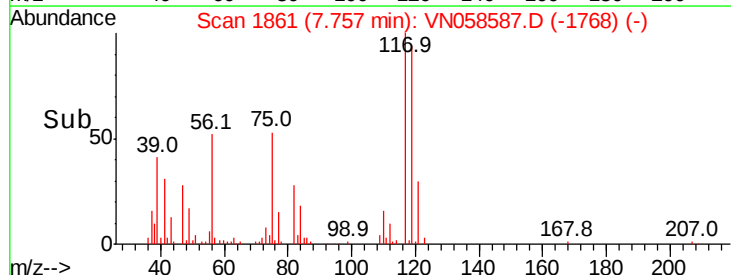
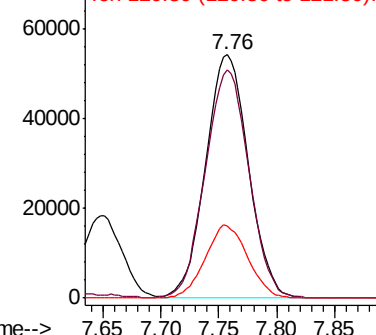


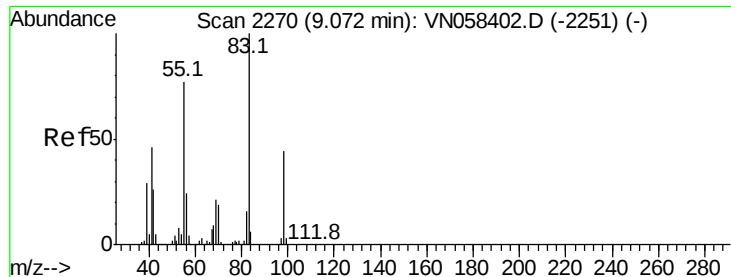
#38
Carbon Tetrachloride
Concen: 22.498 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion: 117 Resp: 139192
Ion Ratio Lower Upper
117 100
119 93.3 76.6 115.0
121 29.8 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

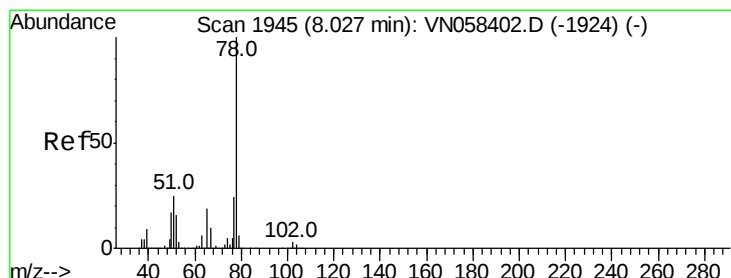
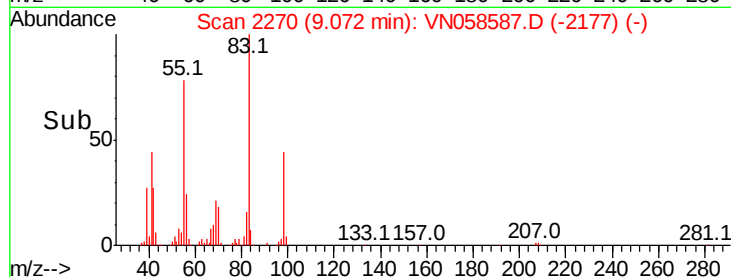
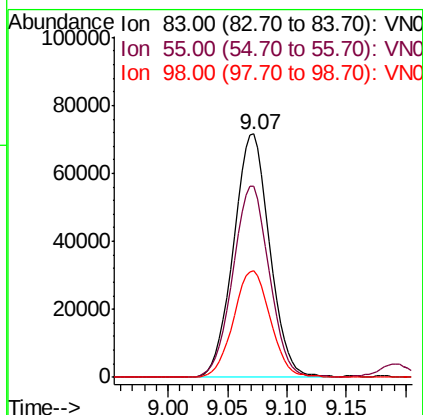
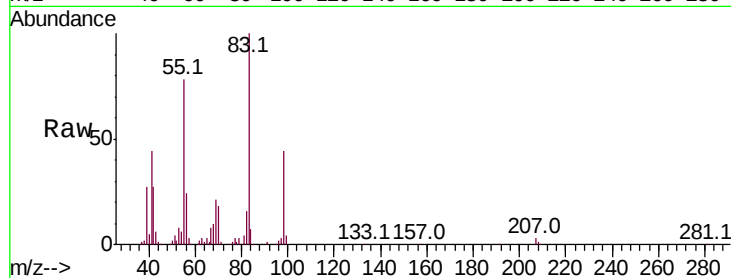




#39
Methvlcvclohexane
Concen: 18.897 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

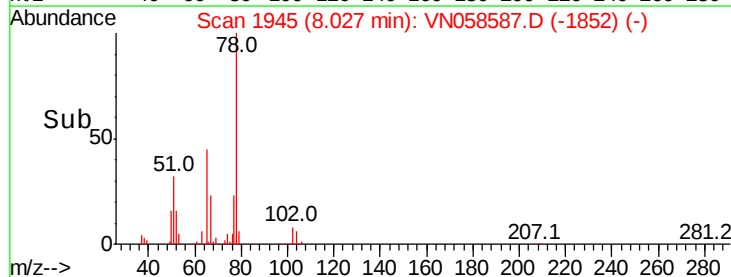
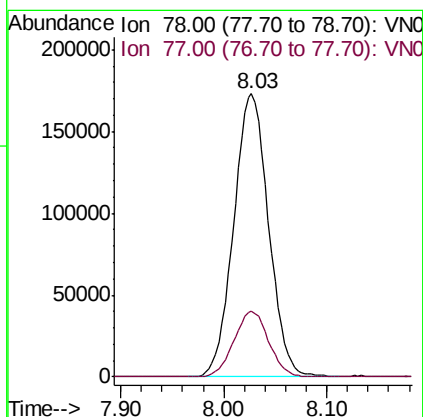
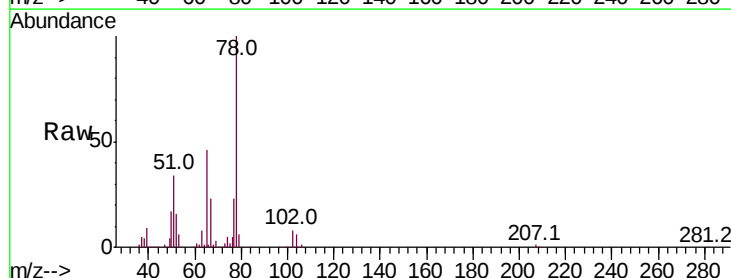
Instrument :
MSVOA_N
ClientSampleId :

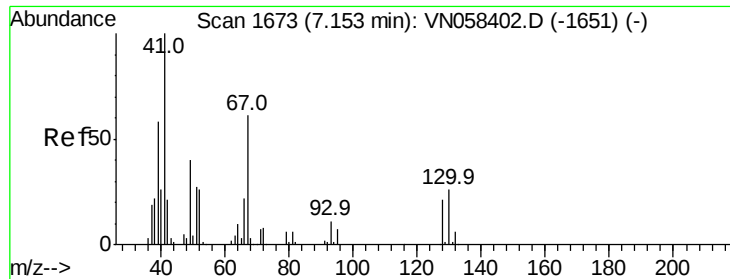
Tot Ion: 83 Resp: 151257
Ion Ratio Lower Upper
83 100
55 78.5 61.8 92.6
98 43.8 35.4 53.0



#40
Benzene
Concen: 20.682 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion: 78 Resp: 407484
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3

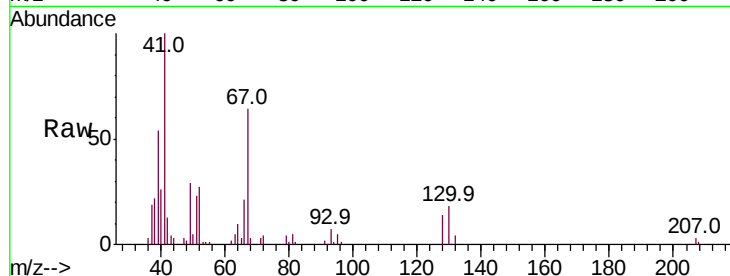




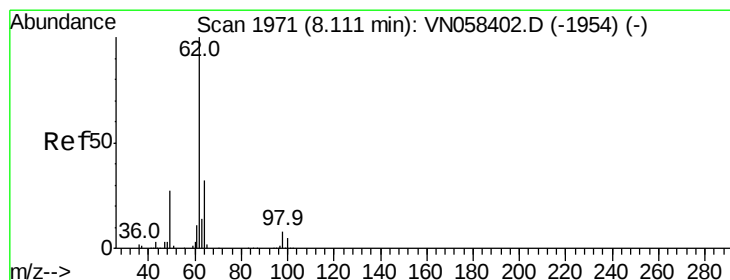
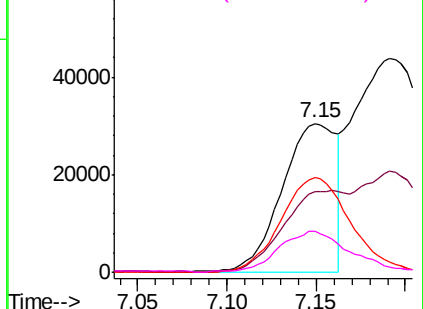
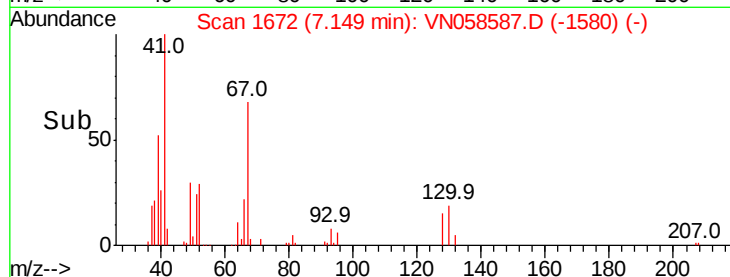
#41
Methacrylonitrile
Concen: 24.121 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 64484
Ion Ratio Lower Upper
41 100
39 64.9 50.2 75.4
67 81.8 70.2 105.4
52 36.9 31.4 47.0

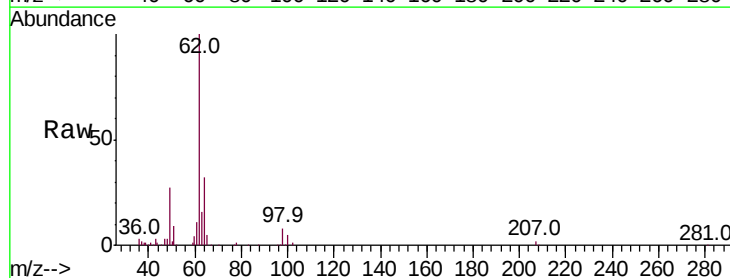


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

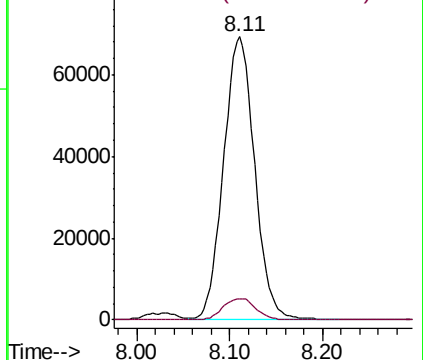
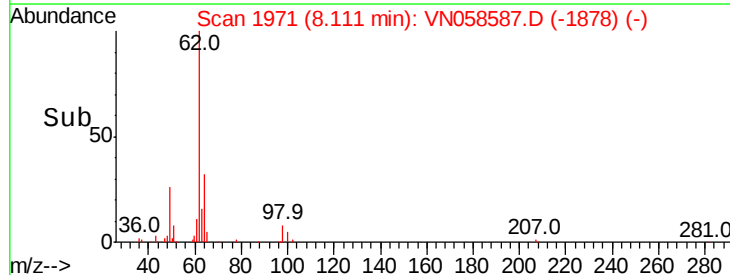


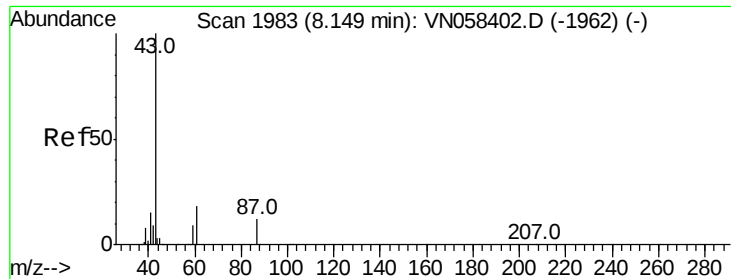
#42
1,2-Dichloroethane
Concen: 21.096 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion: 62 Resp: 161701
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



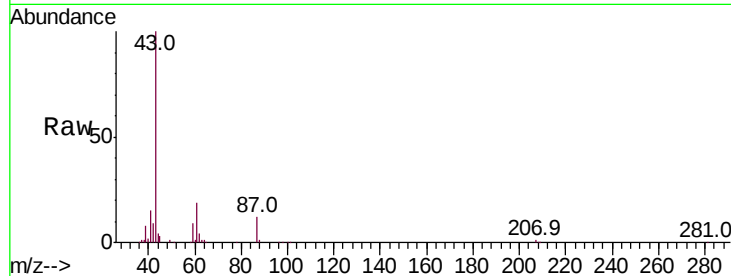


#43

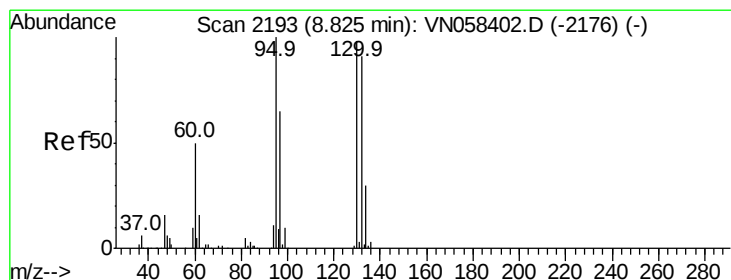
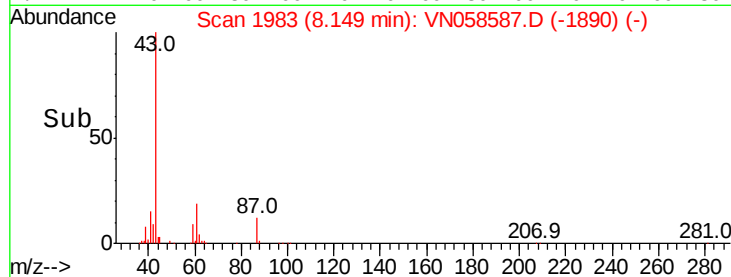
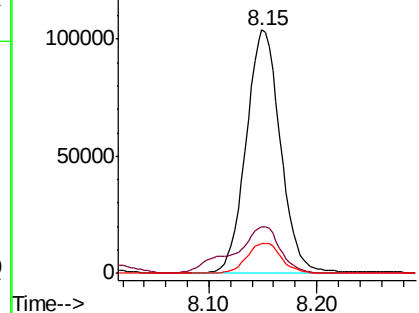
Isopropyl Acetate
 Concen: 21.083 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 230386
 Ion Ratio Lower Upper
 43 100
 61 26.0 14.8 22.2#
 87 12.5 9.7 14.5



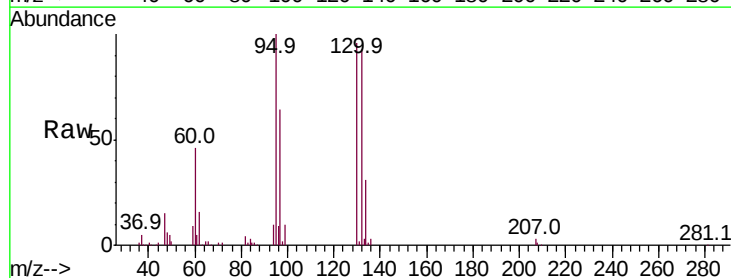
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



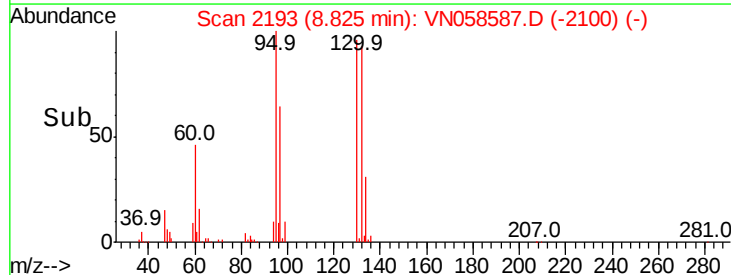
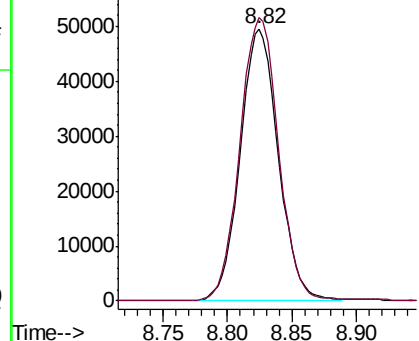
#44

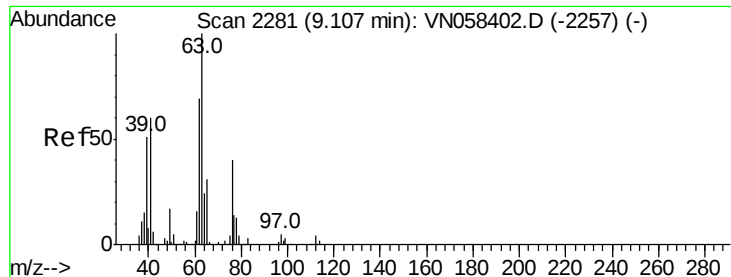
Trichloroethene
 Concen: 20.952 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion:130 Resp: 101929
 Ion Ratio Lower Upper
 130 100
 95 104.0 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): V
 60000 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 22.043 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

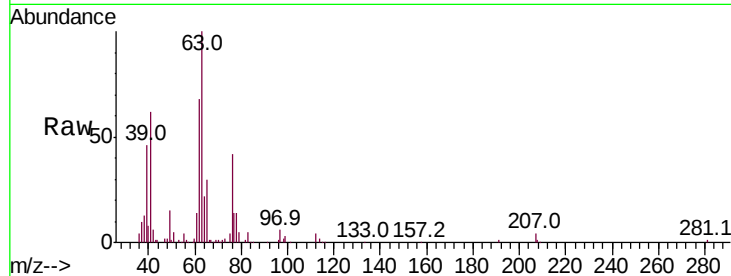
ClientSampleId :

Tot Ion: 63 Resp: 116472

Ion Ratio Lower Upper

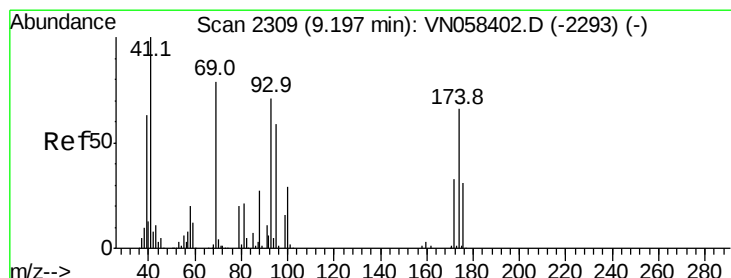
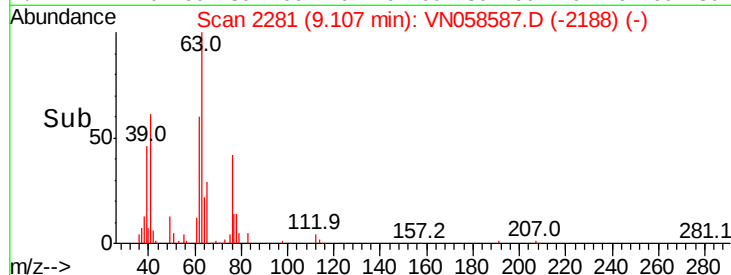
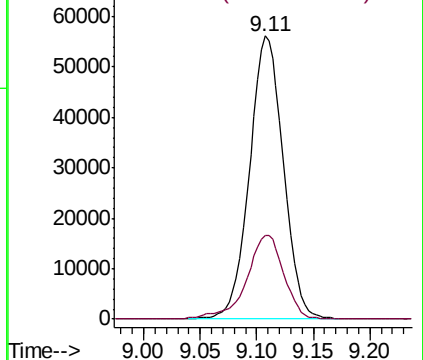
63 100

65 29.6 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 21.111 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

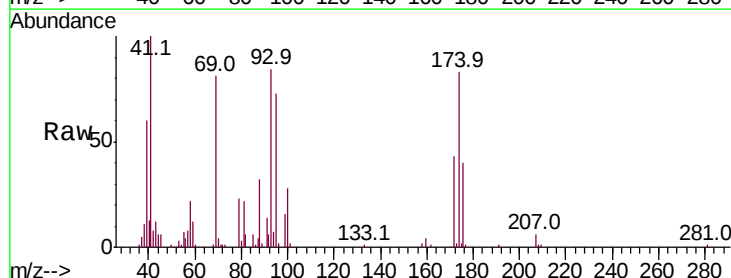
Tgt Ion: 93 Resp: 70642

Ion Ratio Lower Upper

93 100

95 84.6 67.0 100.4

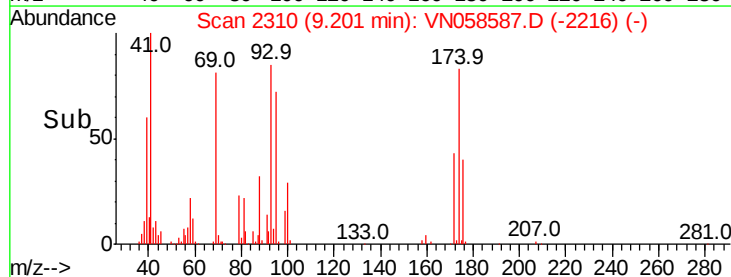
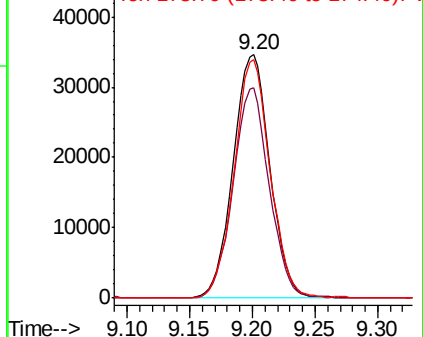
174 95.4 74.2 111.2

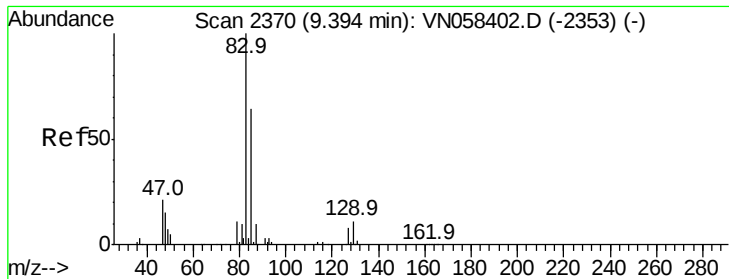


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 23.141 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :

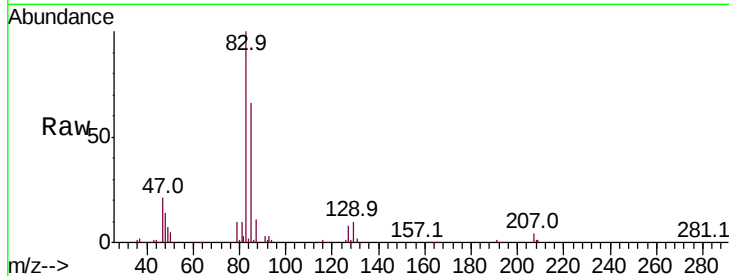
Tot Ion: 83 Resp: 146713

Ion Ratio Lower Upper

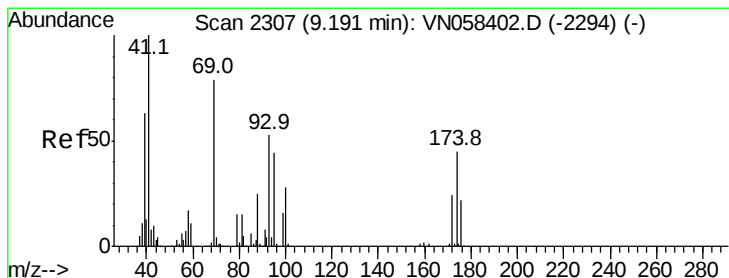
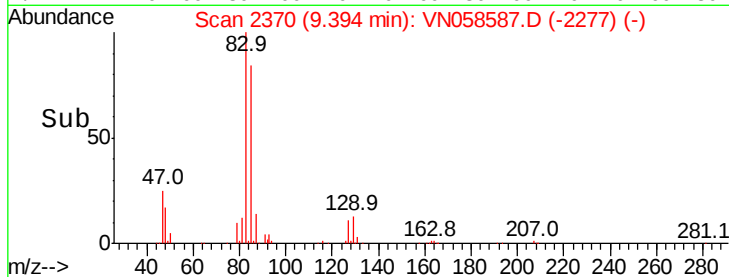
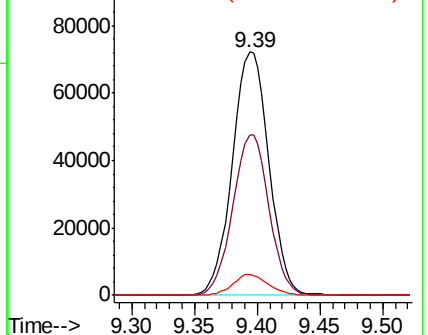
83 100

85 66.0 51.2 76.8

127 8.5 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.340 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

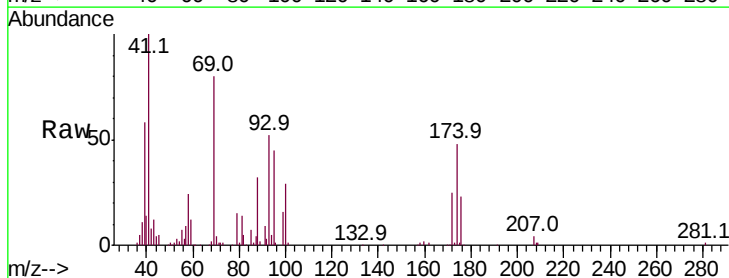
Tgt Ion: 41 Resp: 106183

Ion Ratio Lower Upper

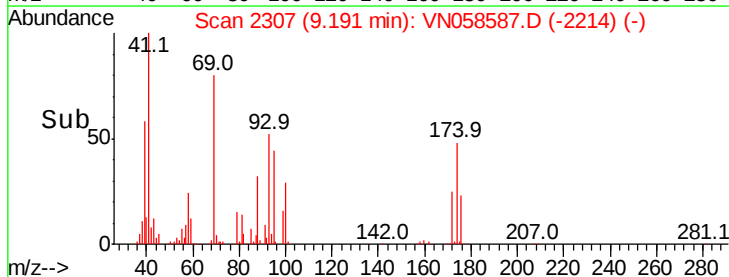
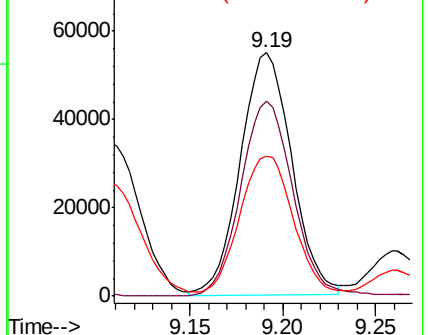
41 100

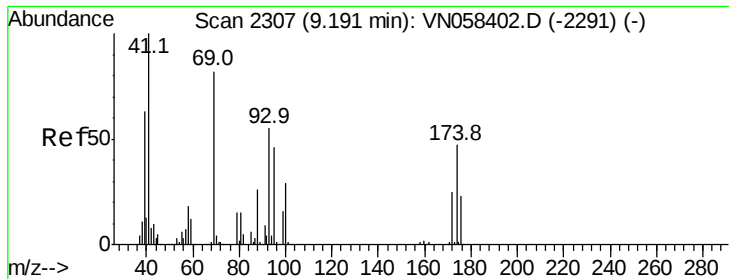
69 82.1 64.7 97.1

39 60.4 52.9 79.3



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

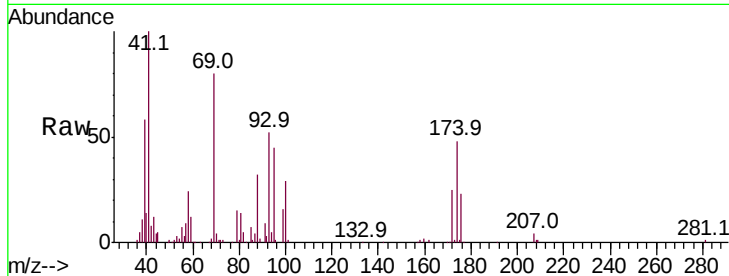




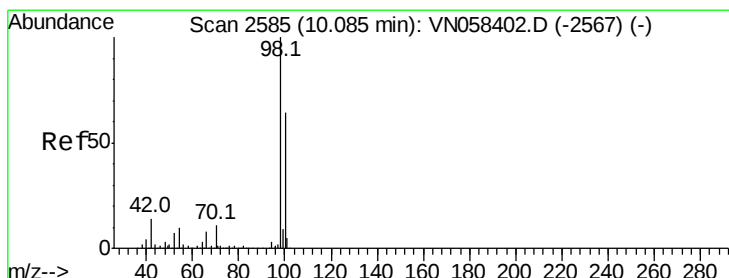
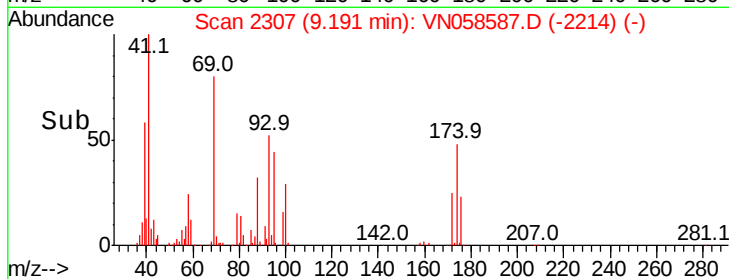
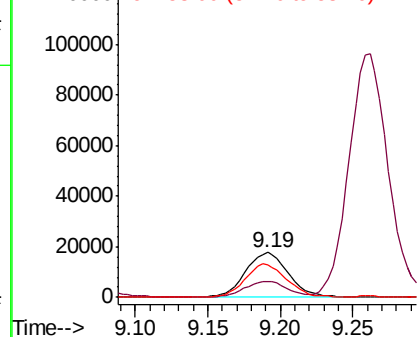
#49
1,4-Dioxane
Concen: 551.542 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 36696
Ion Ratio Lower Upper
88 100
43 33.5 31.1 46.7
58 72.5 58.1 87.1

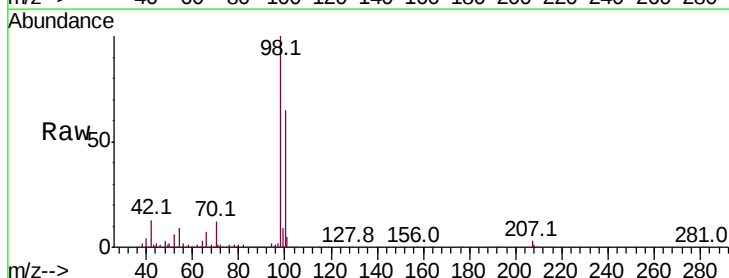


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

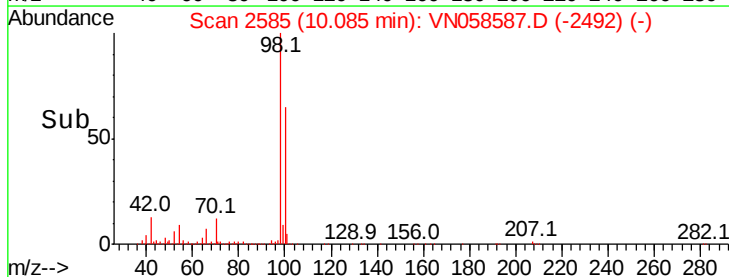
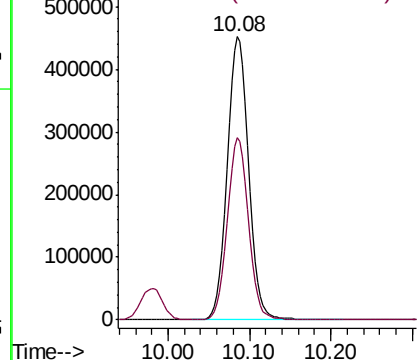


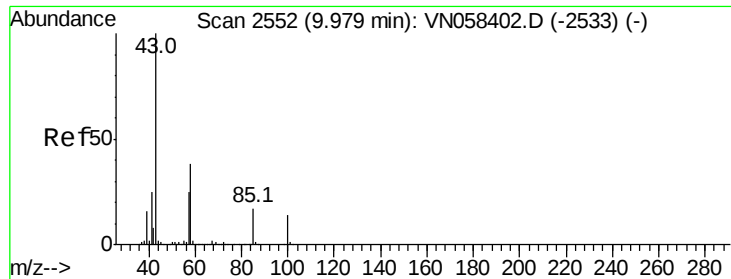
#50
Toluene-d8
Concen: 48.816 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion: 98 Resp: 840139
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 120.107 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

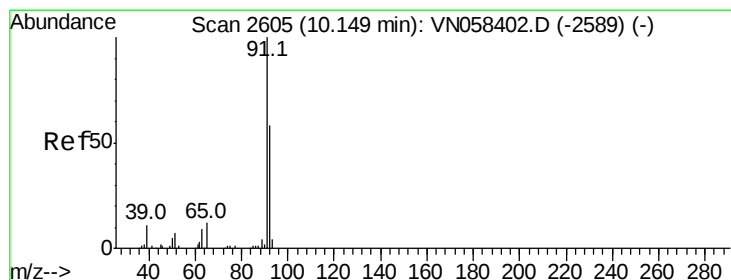
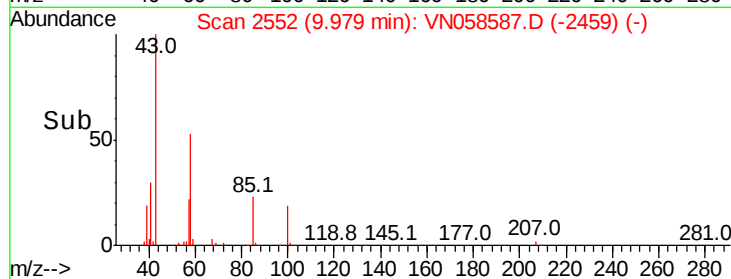
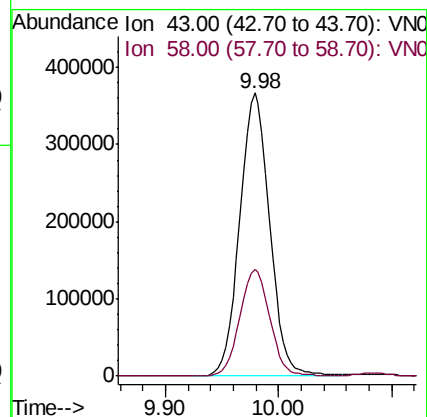
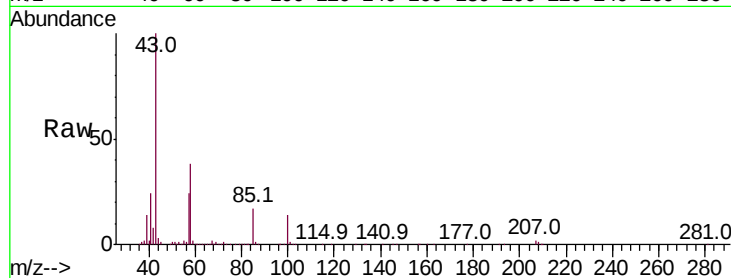
ClientSampleId :

Tot Ion: 43 Resp: 674175

Ion Ratio Lower Upper

43 100

58 38.1 30.2 45.2



#52

Toluene

Concen: 20.560 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058587.D

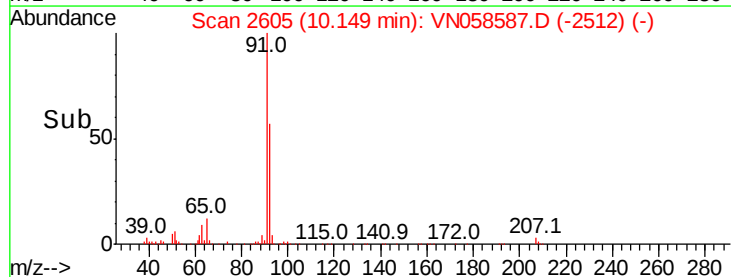
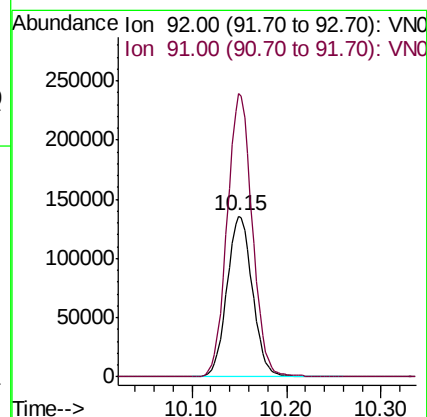
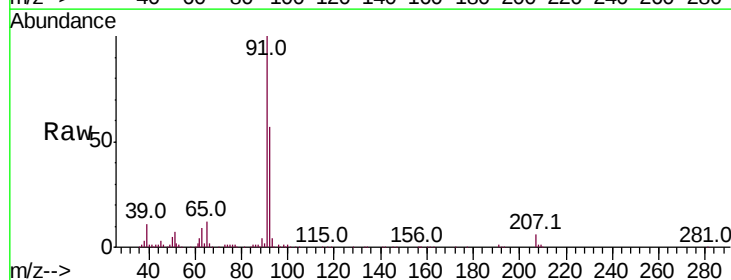
Acq: 7 Oct 2019 23:02

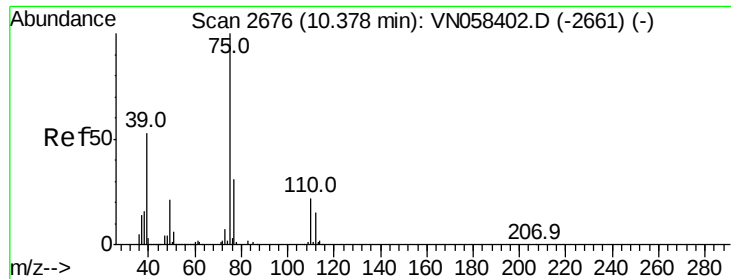
Tgt Ion: 92 Resp: 254959

Ion Ratio Lower Upper

92 100

91 173.7 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 23.181 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

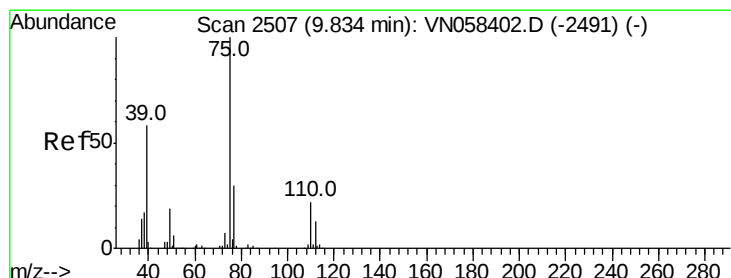
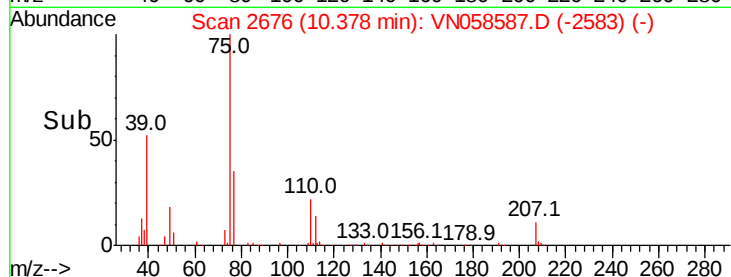
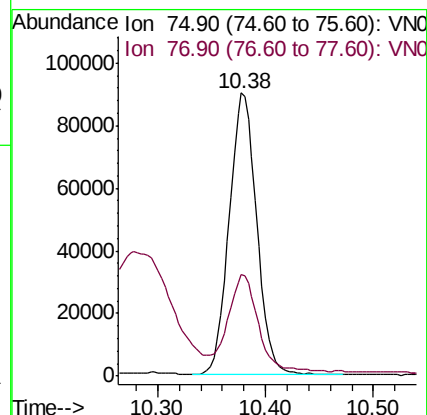
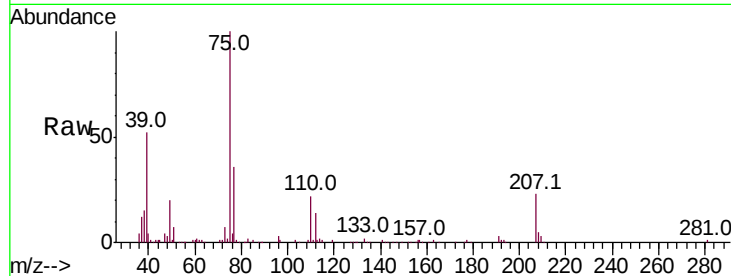
ClientSampleId :

Tot Ion: 75 Resp: 159967

Ion Ratio Lower Upper

75 100

77 34.1 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 22.505 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

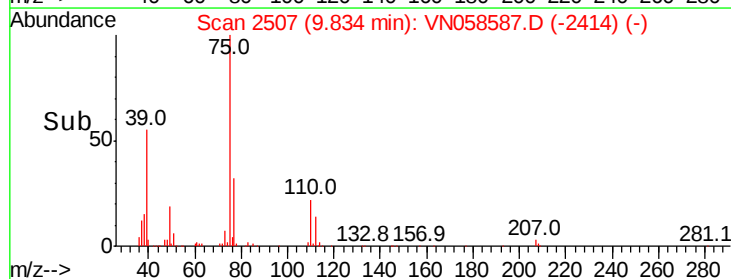
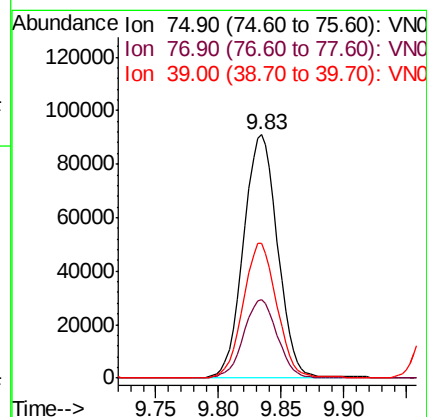
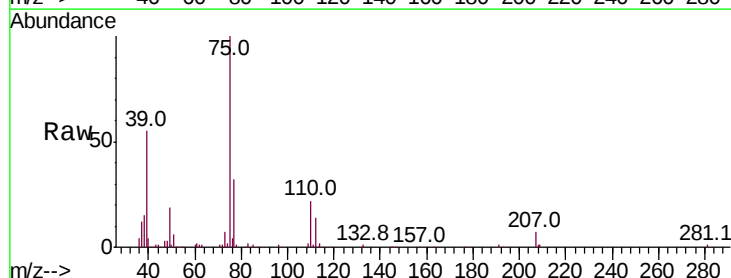
Tgt Ion: 75 Resp: 172389

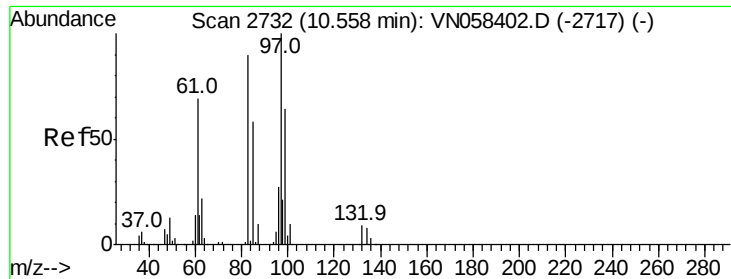
Ion Ratio Lower Upper

75 100

77 32.3 24.2 36.4

39 55.2 46.4 69.6

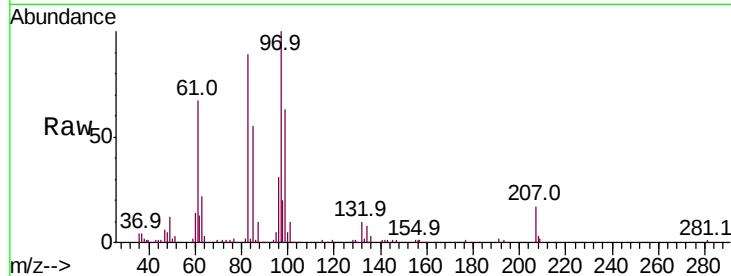




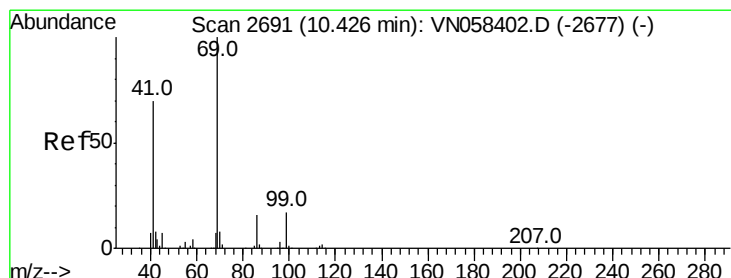
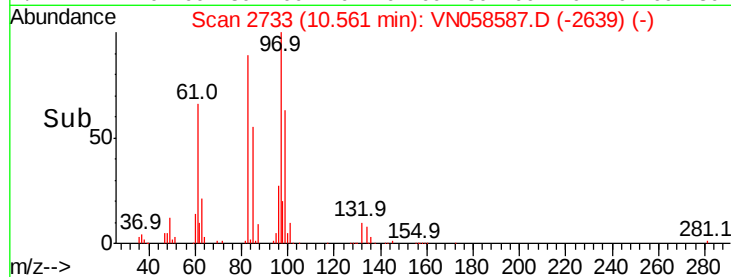
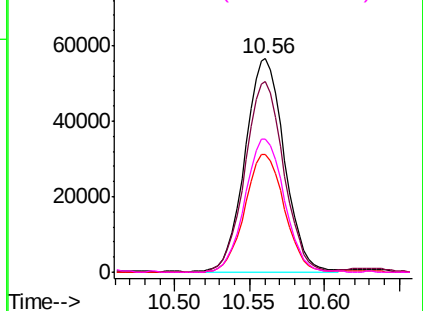
#55
 1,1,2-Trichloroethane
 Concen: 22.969 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 103714
 Ion Ratio Lower Upper
 97 100
 83 89.4 71.8 107.6
 85 55.4 46.6 69.8
 99 62.5 51.5 77.3

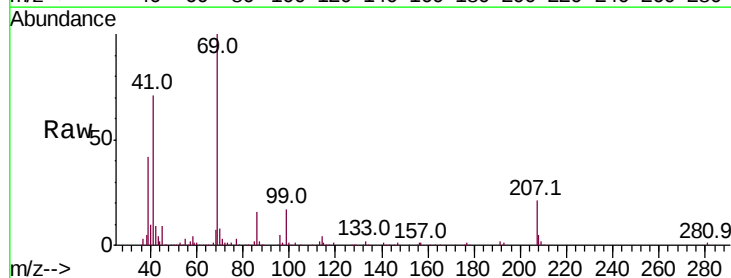


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

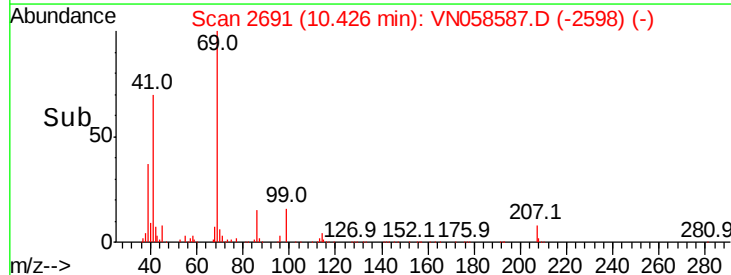
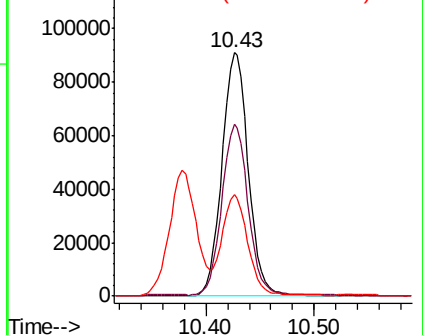


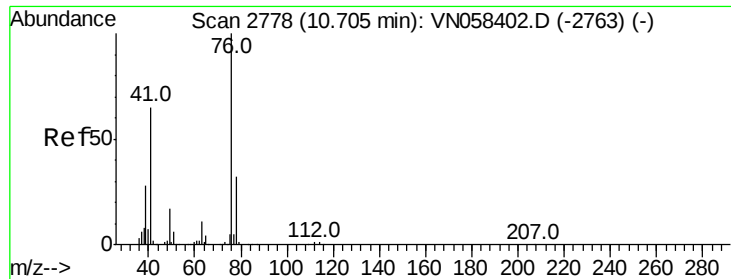
#56
 Ethyl methacrylate
 Concen: 22.577 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion: 69 Resp: 154689
 Ion Ratio Lower Upper
 69 100
 41 69.7 56.3 84.5
 39 40.6 35.8 53.6



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 22.535 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

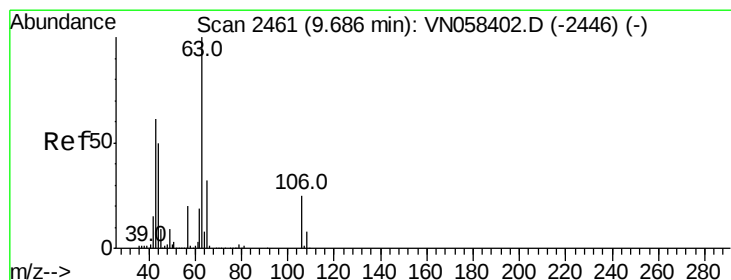
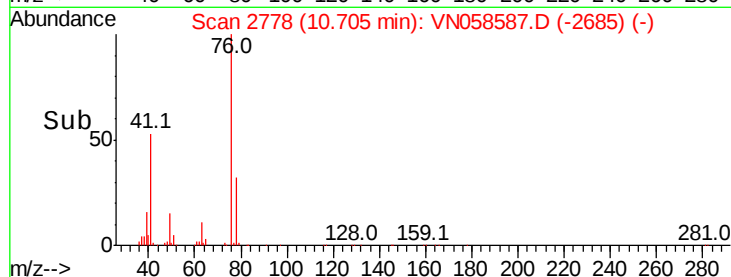
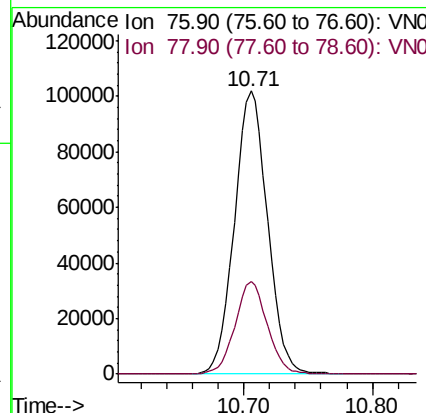
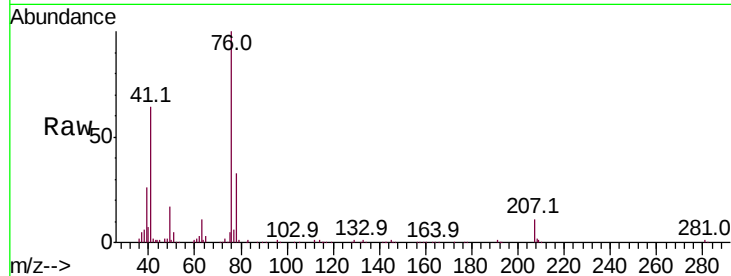
ClientSampled :

Tot Ion: 76 Resp: 181500

Ion Ratio Lower Upper

76 100

78 32.0 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 132.339 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058587.D

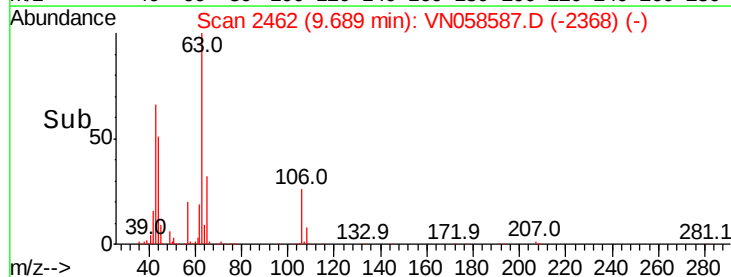
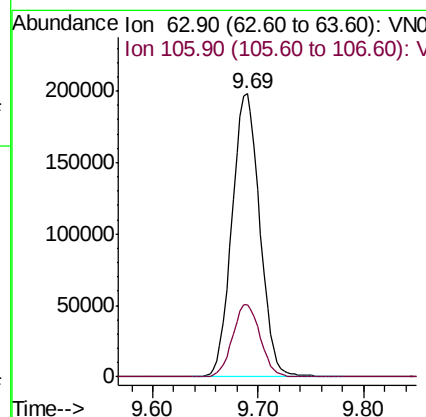
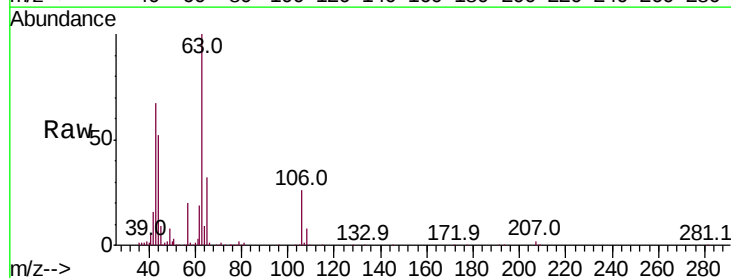
Acq: 7 Oct 2019 23:02

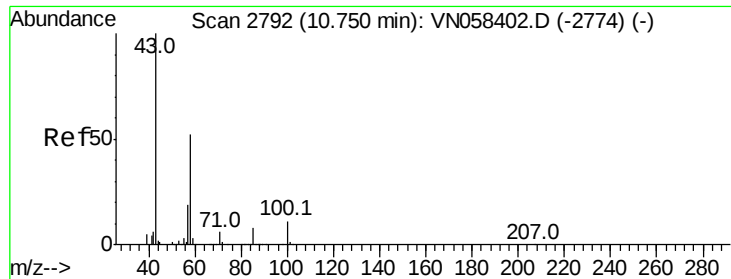
Tgt Ion: 63 Resp: 361561

Ion Ratio Lower Upper

63 100

106 25.5 20.3 30.5

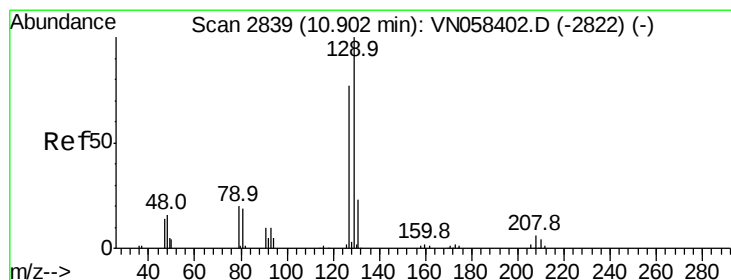
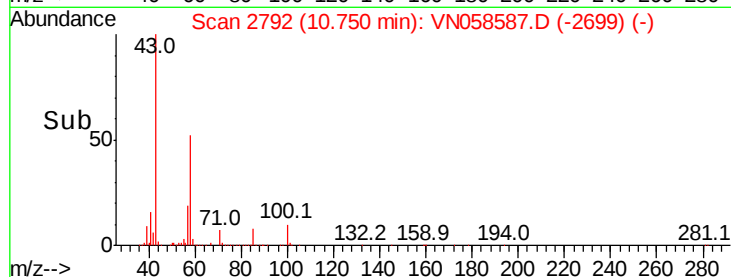
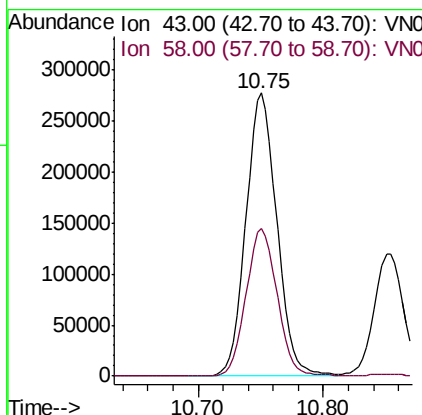
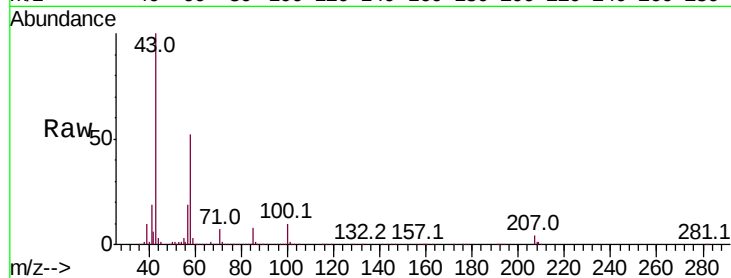




#59
2-Hexanone
Concen: 116.092 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

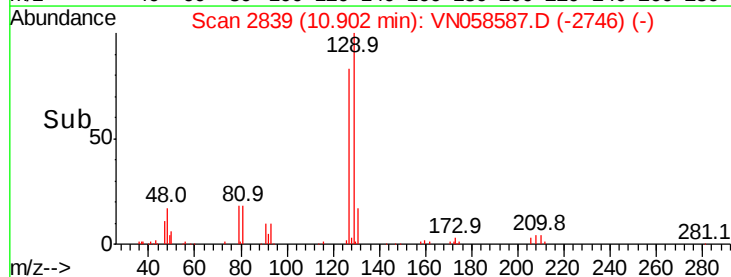
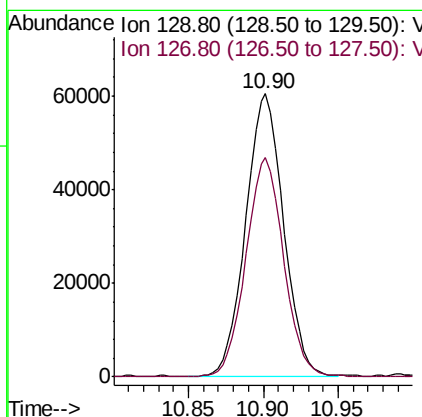
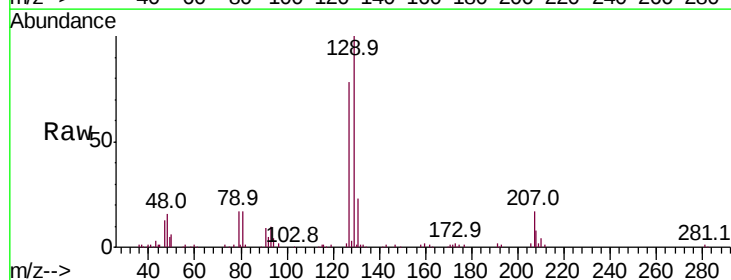
Instrument :
MSVOA_N
ClientSampleId :

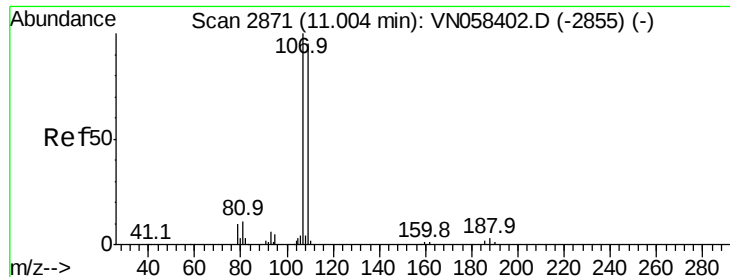
Tot Ion: 43 Resp: 474491
Ion Ratio Lower Upper
43 100
58 52.9 25.8 77.3



#60
Dibromochloromethane
Concen: 22.356 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion: 129 Resp: 105965
Ion Ratio Lower Upper
129 100
127 77.9 38.3 114.8

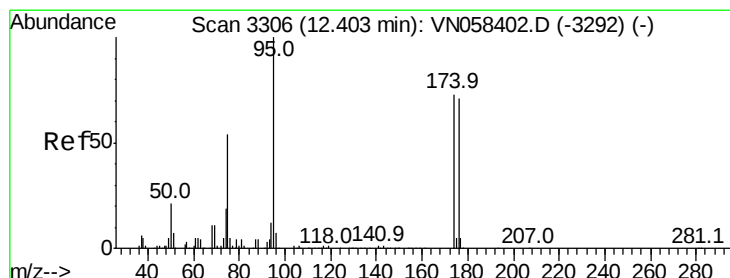
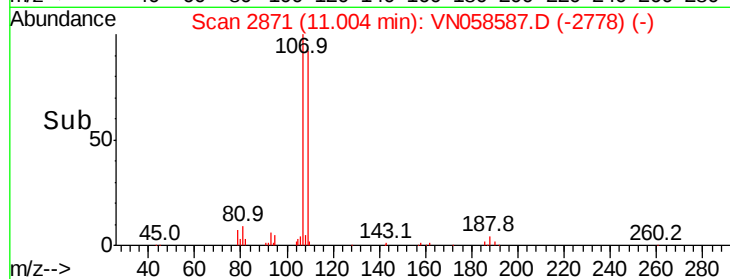
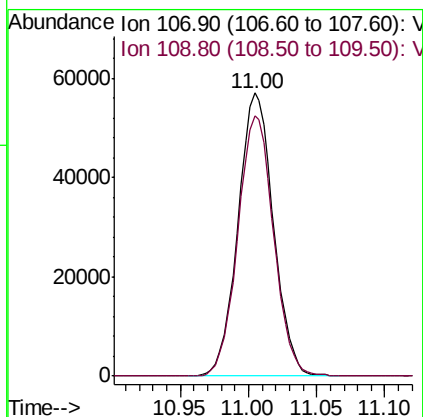
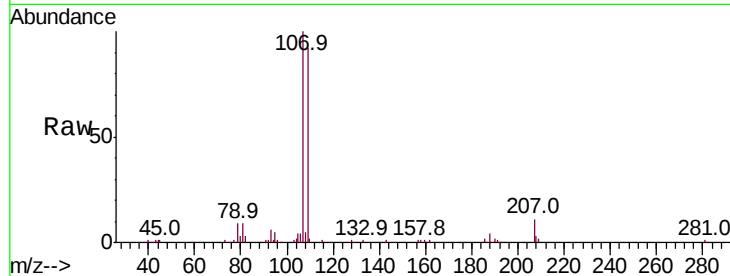




#61
 1,2-Dibromoethane
 Concen: 22.209 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

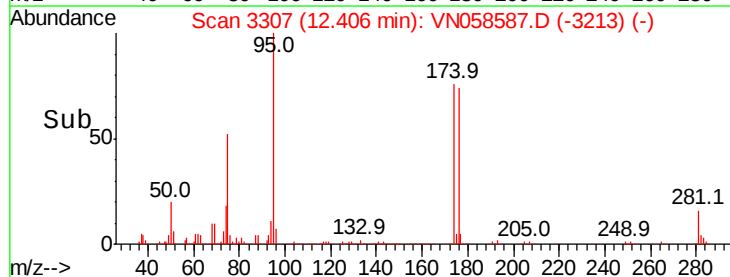
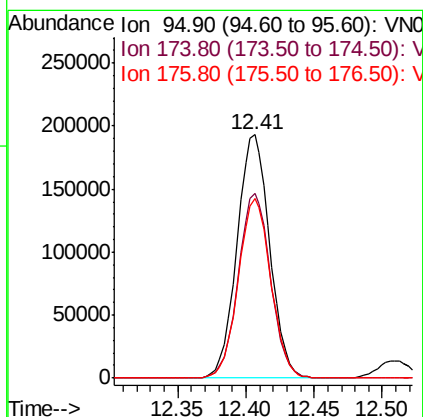
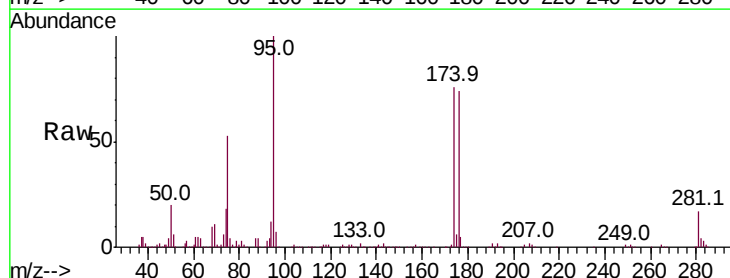
Instrument :
 MSVOA_N
 ClientSampleId :

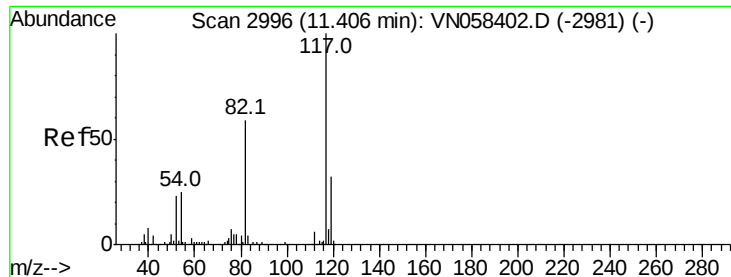
Tot Ion:107 Resp: 102466
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 51.539 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion: 95 Resp: 320718
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 150.6
 176 73.6 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampled :

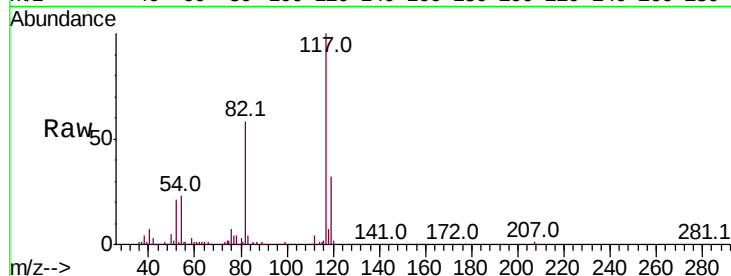
Tot Ion:117 Resp: 657808

Ion Ratio Lower Upper

117 100

82 58.2 47.4 71.0

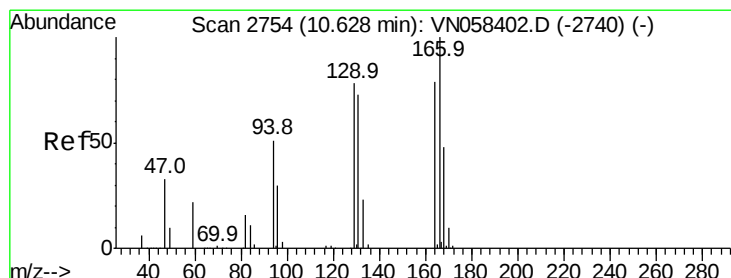
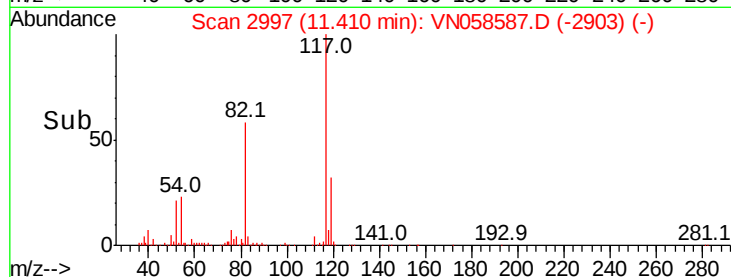
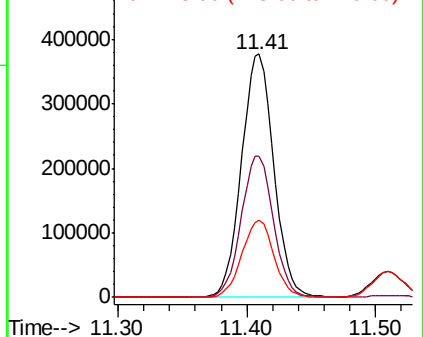
119 31.6 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.848 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Tgt Ion:164 Resp: 91310

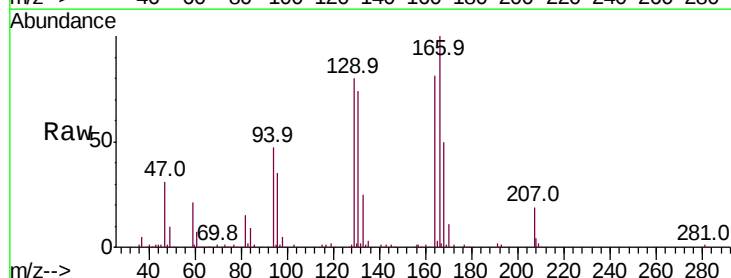
Ion Ratio Lower Upper

164 100

166 123.0 101.1 151.7

129 97.2 79.2 118.8

131 91.6 74.1 111.1

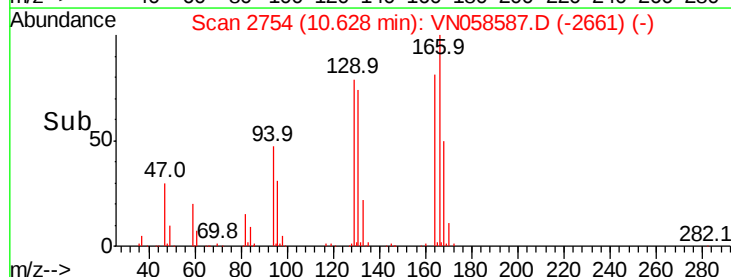
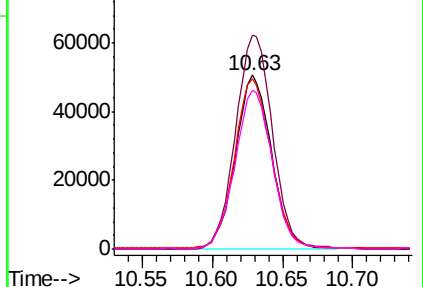


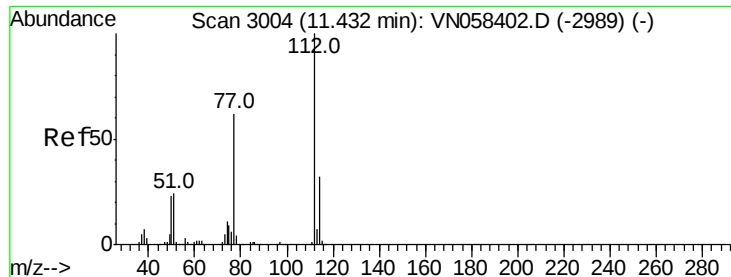
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.692 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

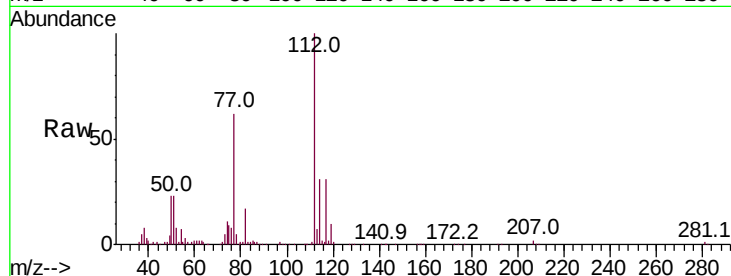
ClientSampleId :

Tot Ion:112 Resp: 270559

Ion Ratio Lower Upper

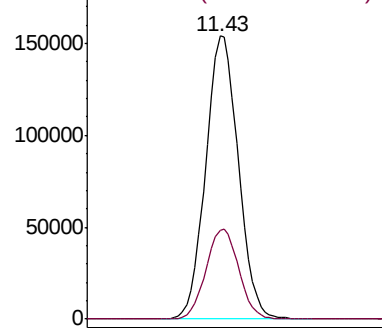
112 100

114 31.4 25.4 38.2

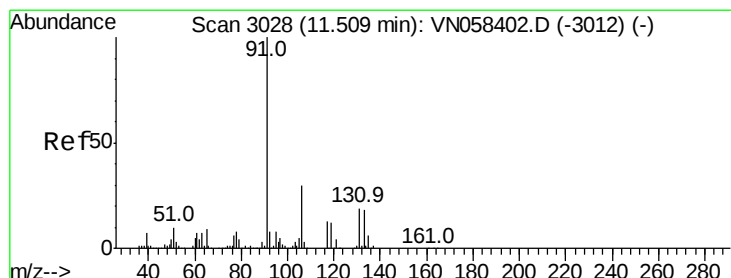
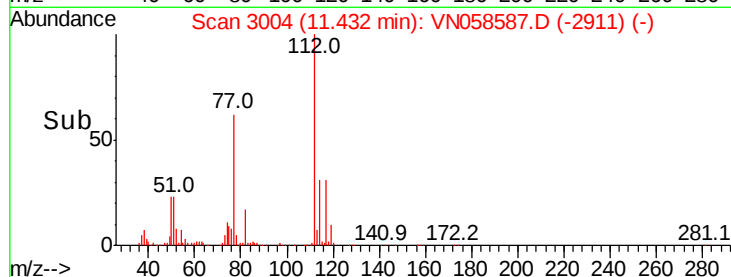


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 23.096 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

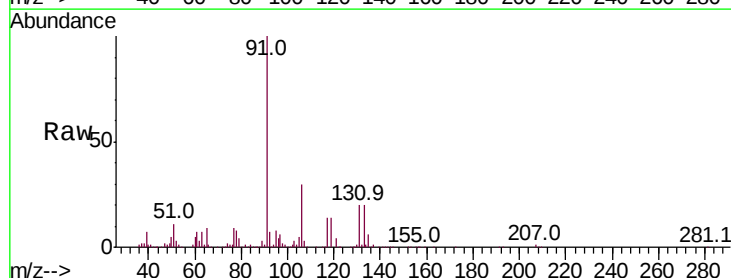
Tgt Ion:131 Resp: 101750

Ion Ratio Lower Upper

131 100

133 96.5 47.8 143.3

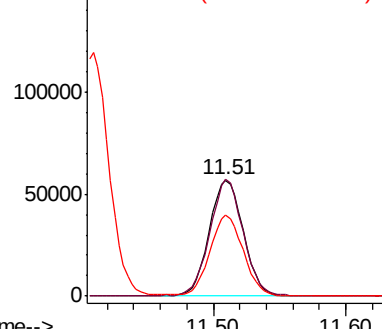
119 67.3 33.0 99.0



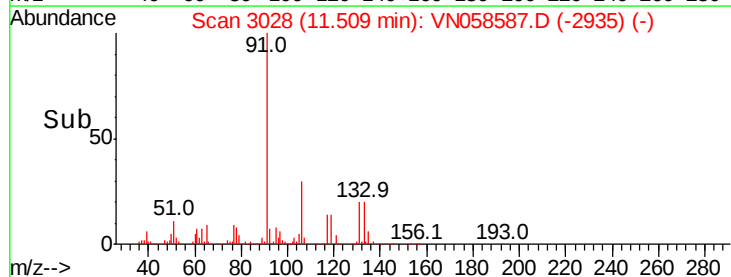
Abundance Ion 130.80 (130.50 to 131.50): V

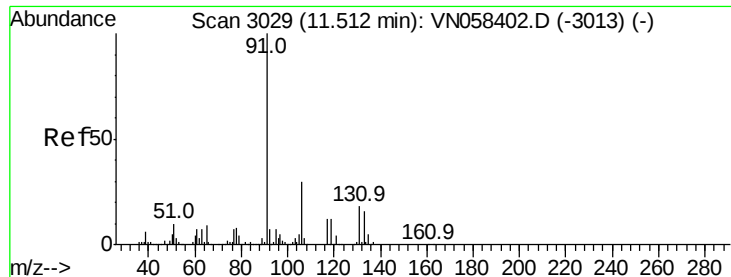
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





#67

Ethyl Benzene

Concen: 21.049 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

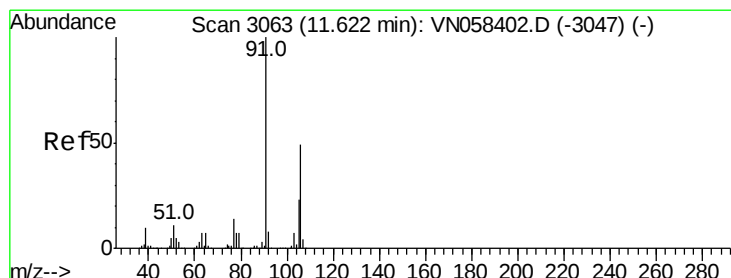
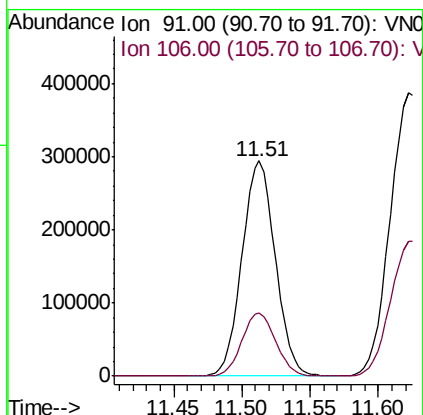
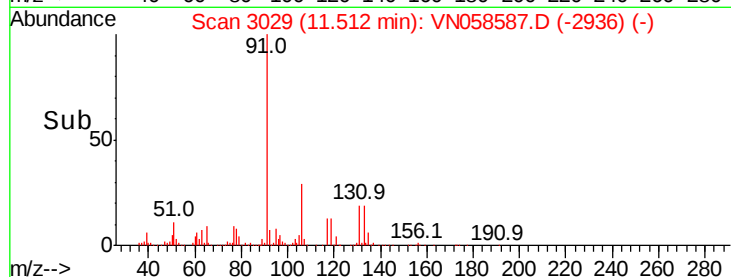
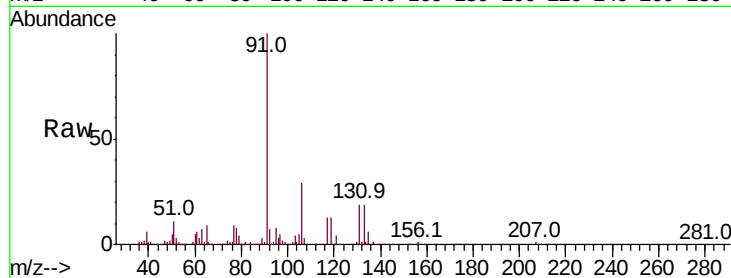
ClientSampled :

Tot Ion: 91 Resp: 498524

Ion Ratio Lower Upper

91 100

106 29.4 24.3 36.5



#68

m/p-Xylenes

Concen: 40.677 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN058587.D

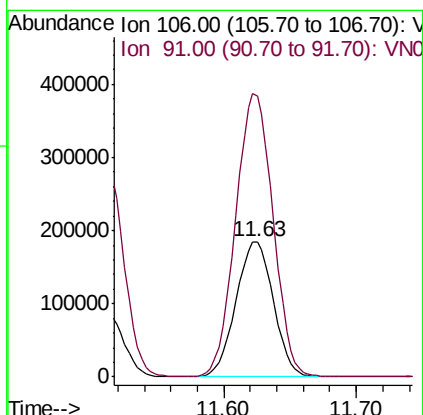
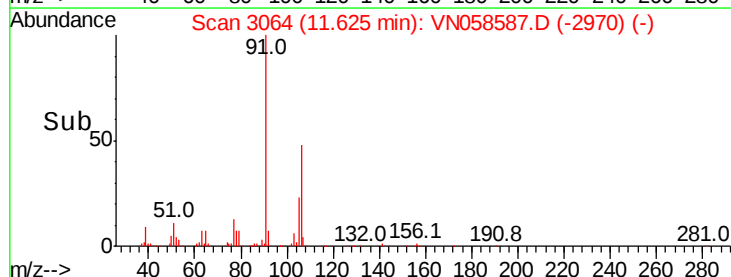
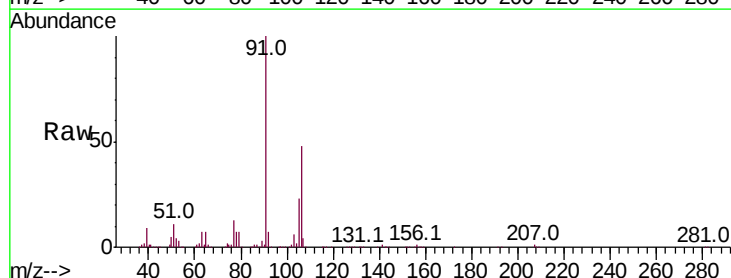
Acq: 7 Oct 2019 23:02

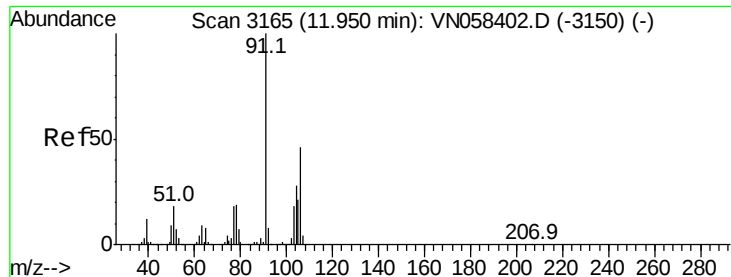
Tgt Ion: 106 Resp: 362469

Ion Ratio Lower Upper

106 100

91 209.1 165.0 247.4

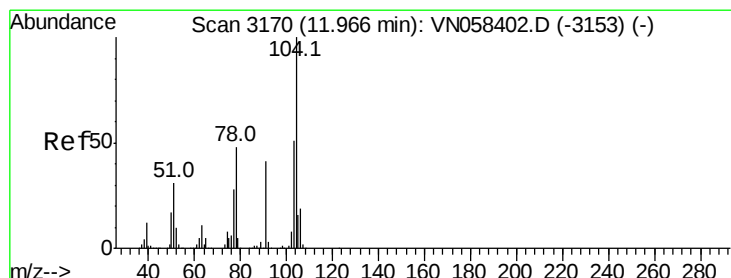
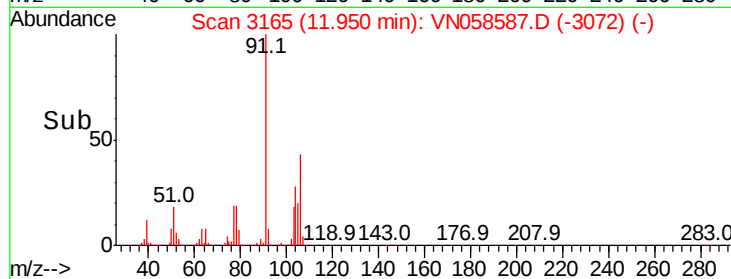
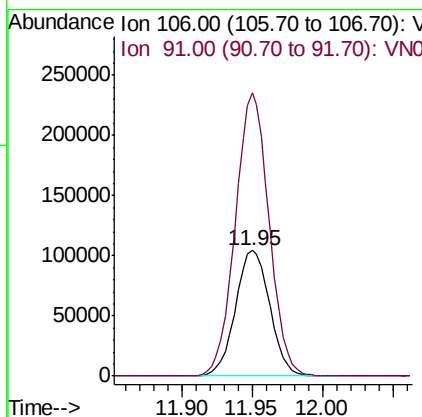
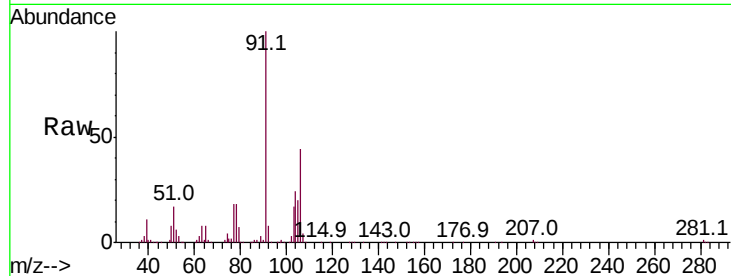




#69
o-Xylene
Concen: 20.787 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

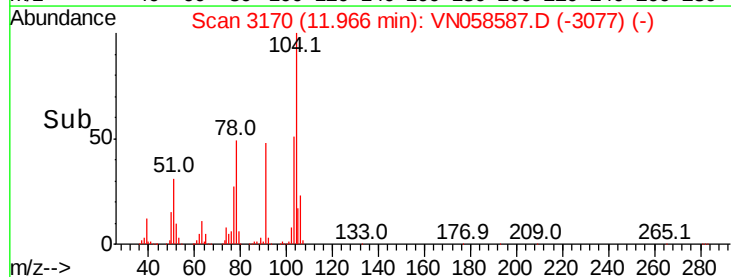
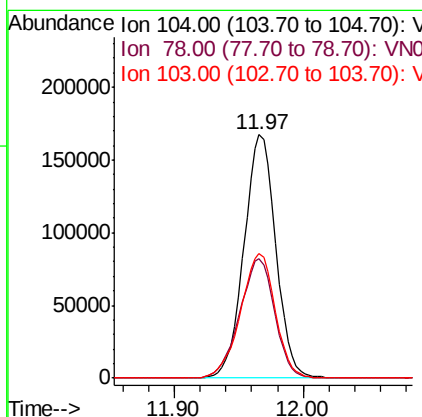
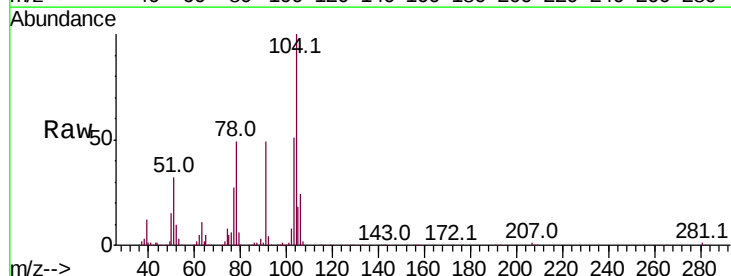
Instrument :
MSVOA_N
ClientSampled :

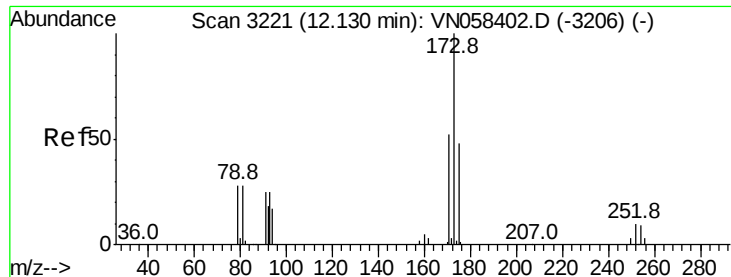
Tot Ion:106 Resp: 178309
Ion Ratio Lower Upper
106 100
91 221.7 109.1 327.4



#70
Styrene
Concen: 20.651 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion:104 Resp: 287775
Ion Ratio Lower Upper
104 100
78 54.0 42.8 64.2
103 55.8 43.7 65.5





#71

Bromoform

Concen: 23.042 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

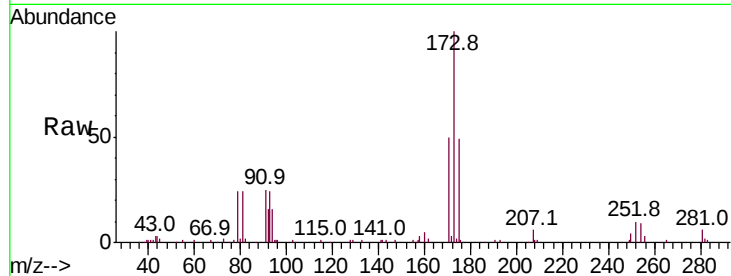
Tot Ion:173 Resp: 68995

Ion Ratio Lower Upper

173 100

175 49.3 24.3 73.0

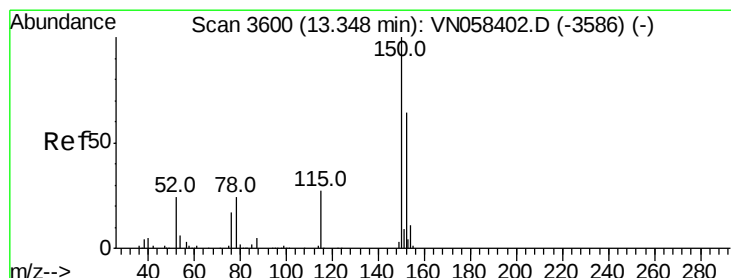
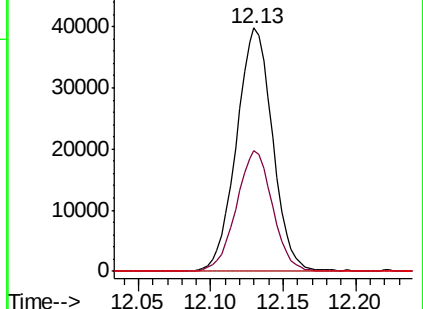
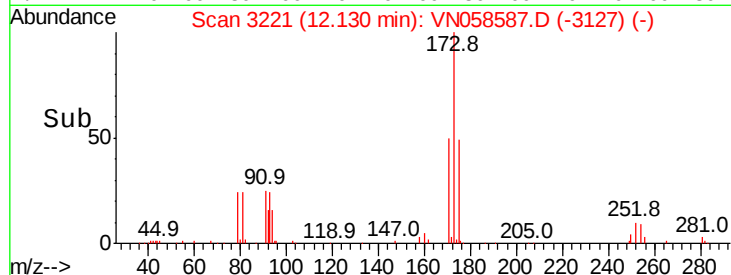
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

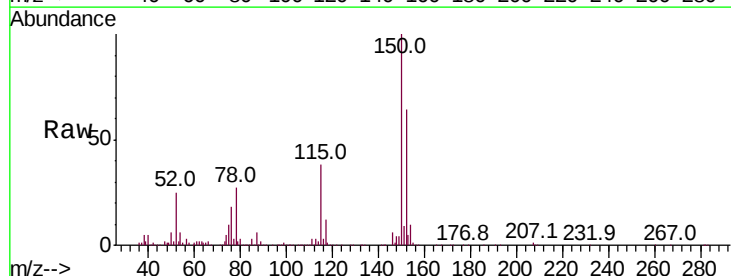
Tgt Ion:152 Resp: 315090

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

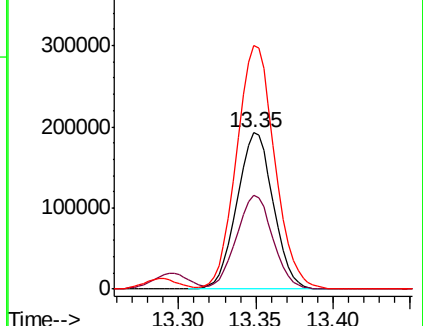
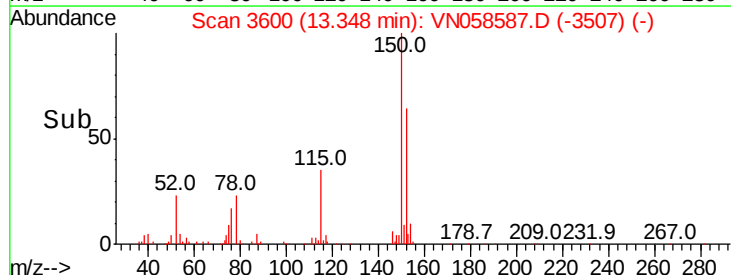
150 162.9 0.0 348.2

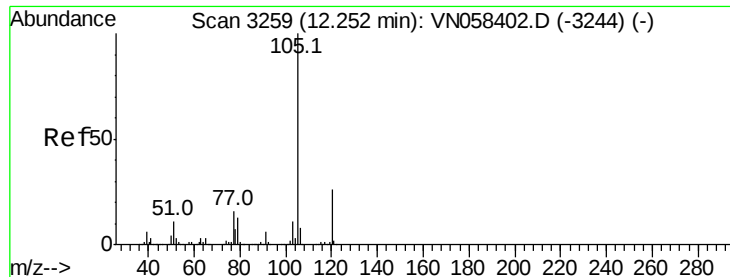


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.590 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

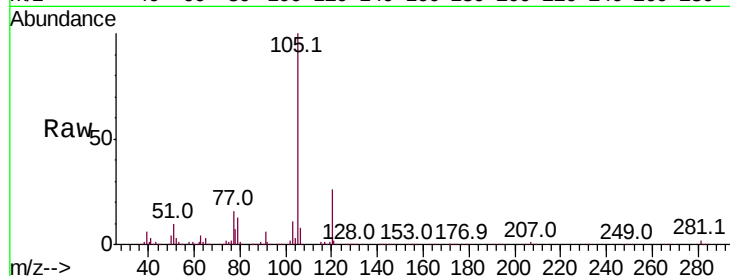
ClientSampleId :

Tot Ion:105 Resp: 479468

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

200000

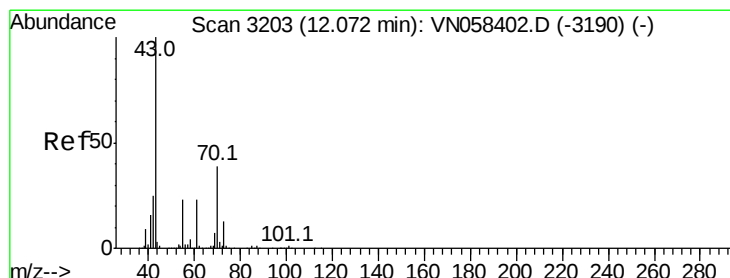
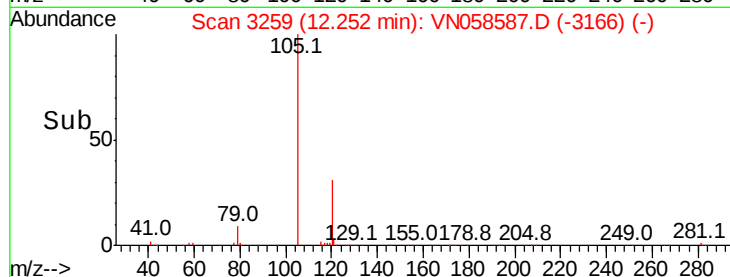
100000

0

12.25

12.20 12.30

Time-->



#74

N-ethyl acetate

Concen: 21.377 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Tgt Ion: 43 Resp: 198028

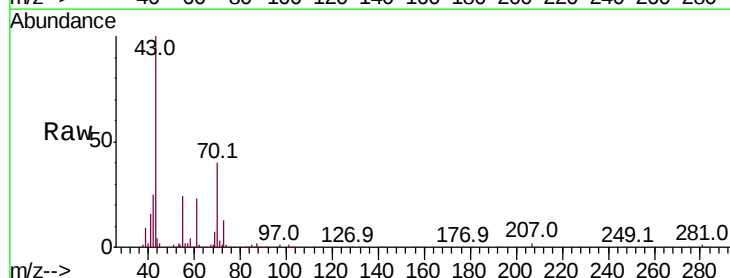
Ion Ratio Lower Upper

43 100

70 40.1 31.4 47.2

55 24.6 18.2 27.4

61 23.1 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

150000

100000

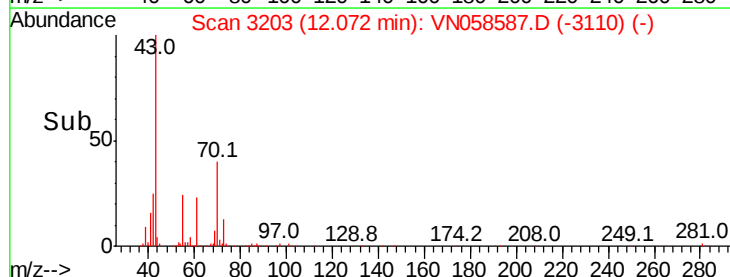
50000

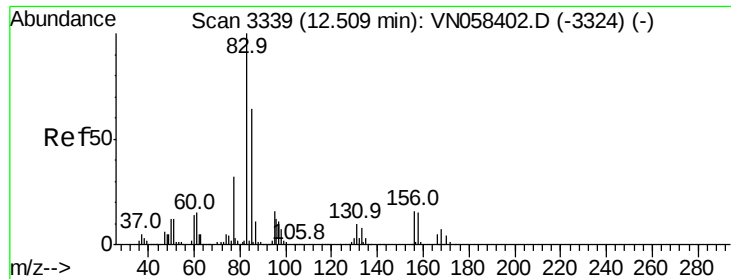
0

12.07

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.693 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

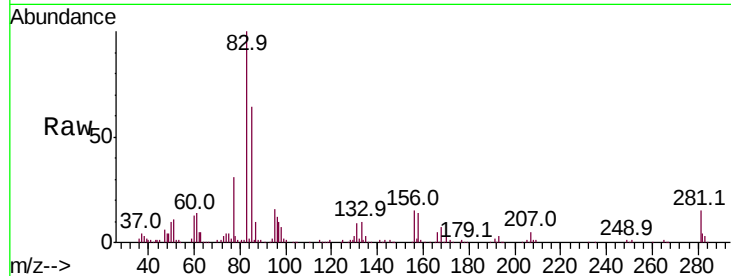
Tot Ion: 83 Resp: 149374

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.7

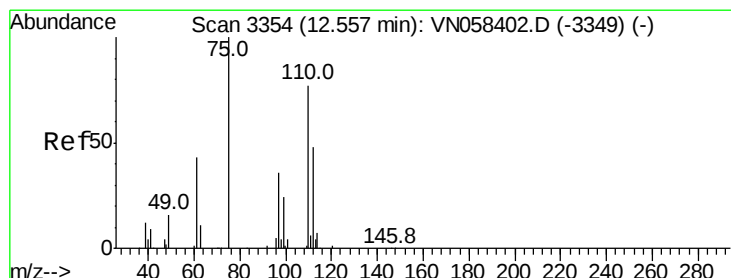
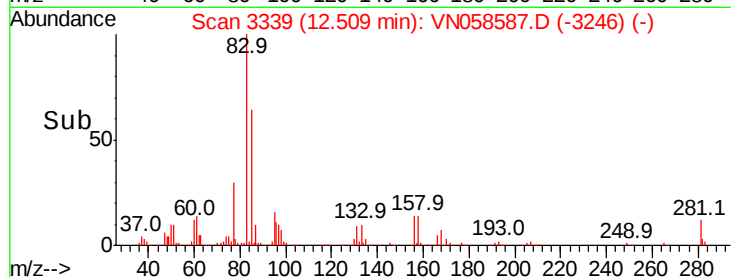
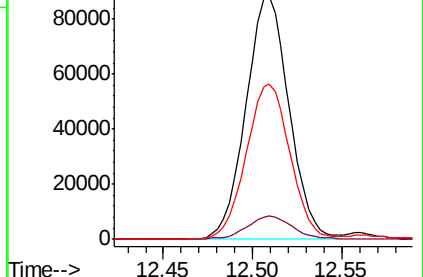
85 64.8 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 32.720 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058587.D

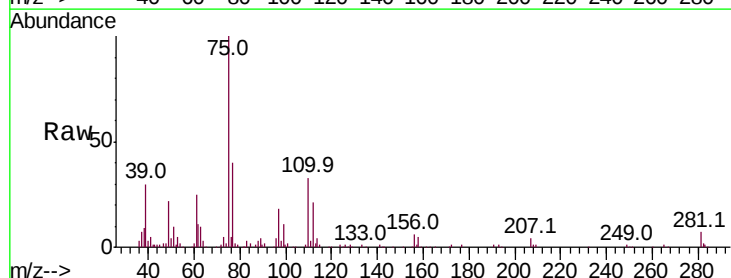
Acq: 7 Oct 2019 23:02

Tgt Ion: 75 Resp: 188310

Ion Ratio Lower Upper

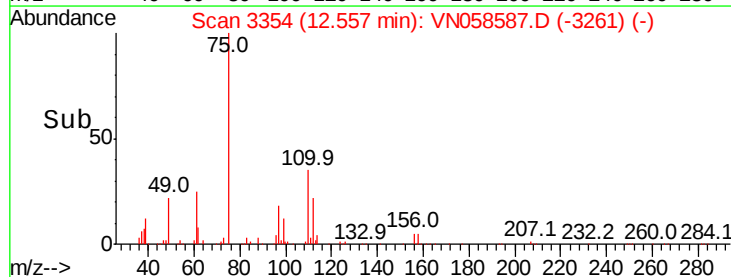
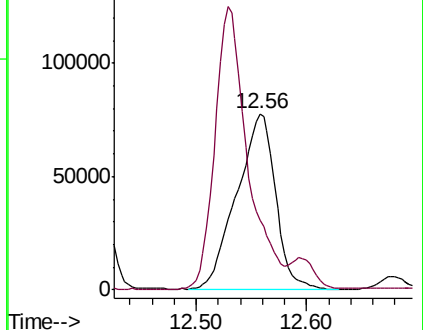
75 100

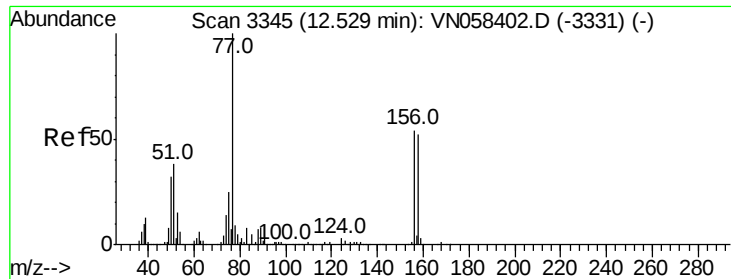
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 21.297 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

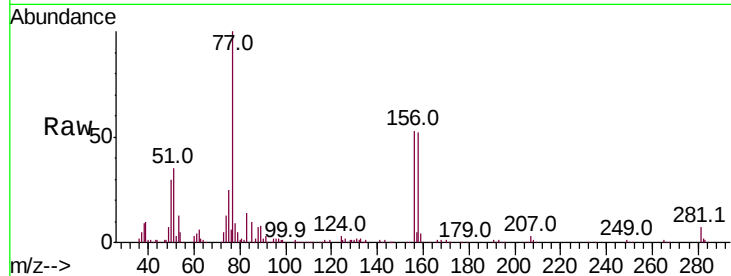
Tot Ion:156 Resp: 116280

Ion Ratio Lower Upper

156 100

77 219.5 110.0 330.0

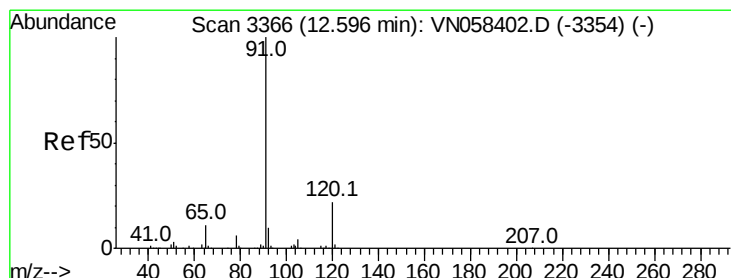
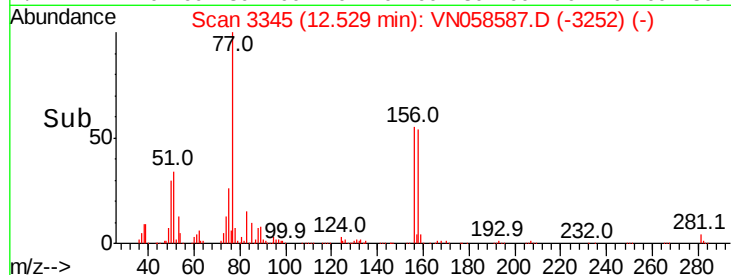
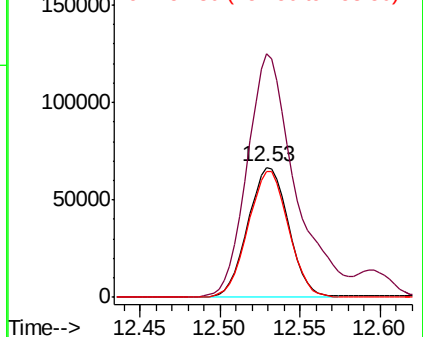
158 96.6 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.160 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058587.D

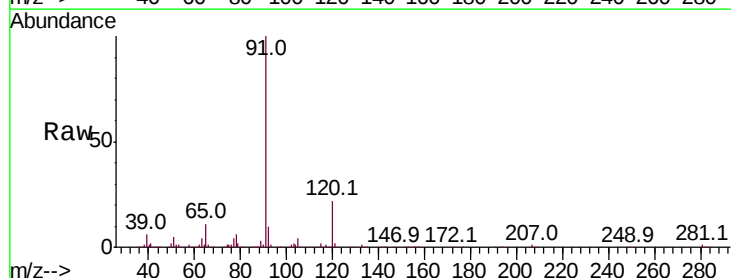
Acq: 7 Oct 2019 23:02

Tgt Ion: 91 Resp: 555121

Ion Ratio Lower Upper

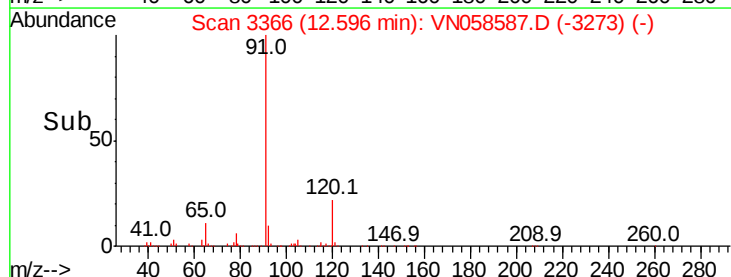
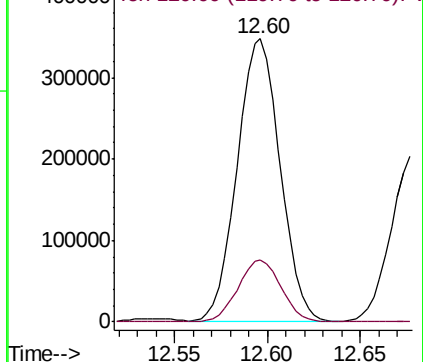
91 100

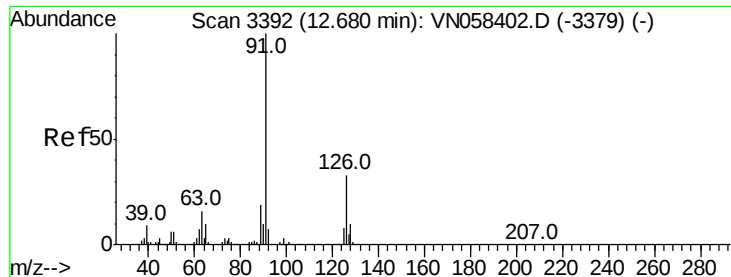
120 22.1 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.942 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

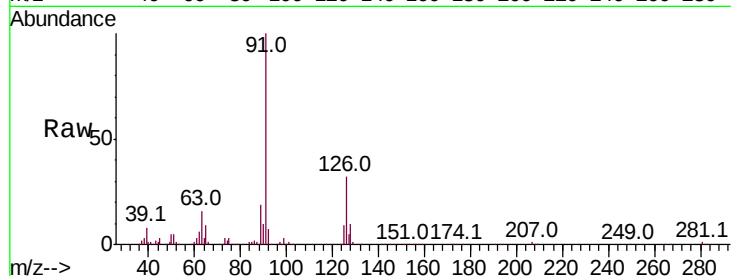
ClientSampleId :

Tot Ion: 91 Resp: 339103

Ion Ratio Lower Upper

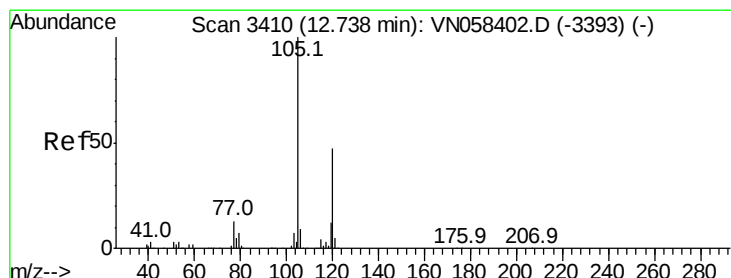
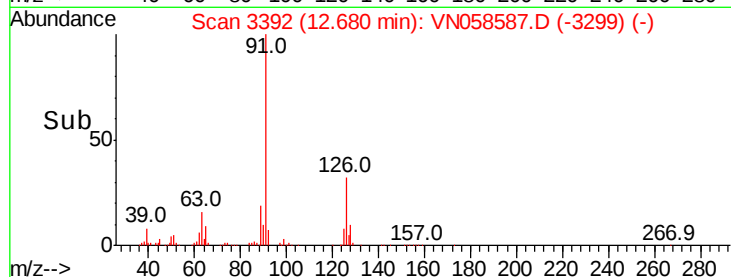
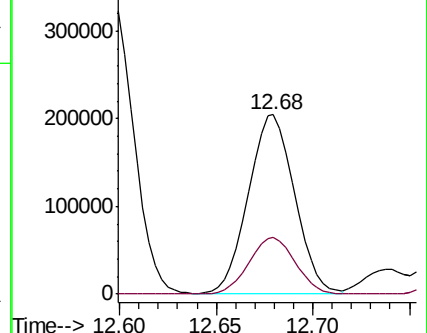
91 100

126 31.9 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058587.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN058587.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.915 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058587.D

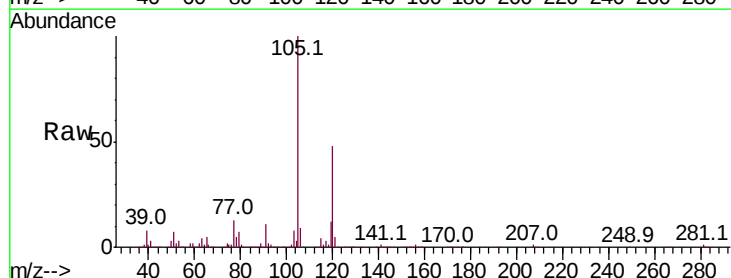
Acq: 7 Oct 2019 23:02

Tgt Ion: 105 Resp: 407695

Ion Ratio Lower Upper

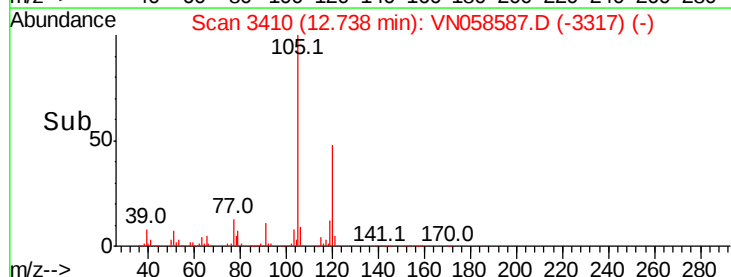
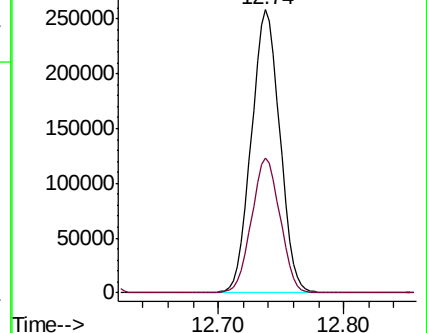
105 100

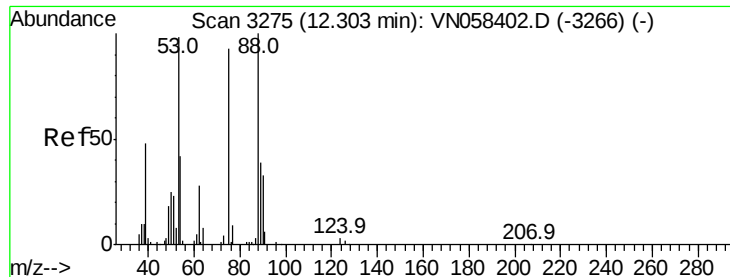
120 47.6 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058587.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058587.D (-3410) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.200 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

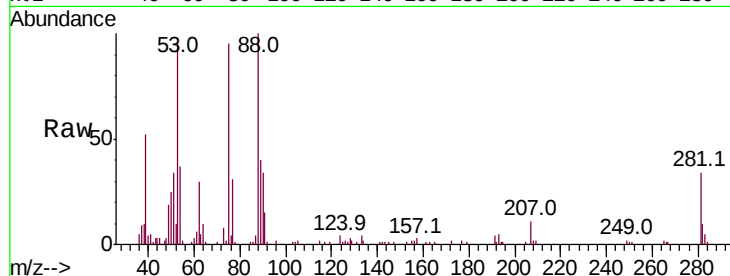
Tot Ion: 75 Resp: 40173

Ion Ratio Lower Upper

75 100

53 105.1 85.4 128.0

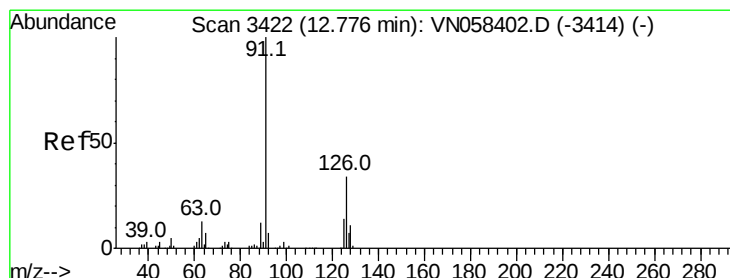
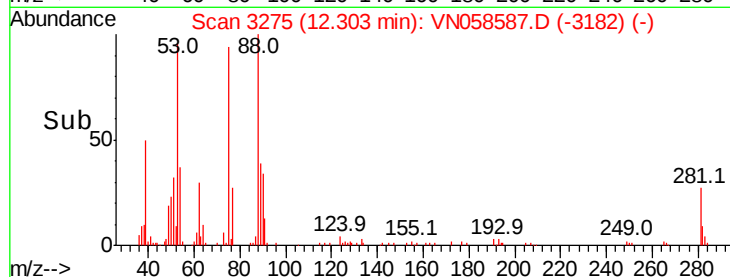
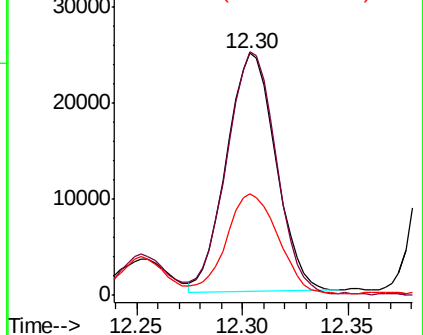
89 44.6 35.0 52.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.574 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058587.D

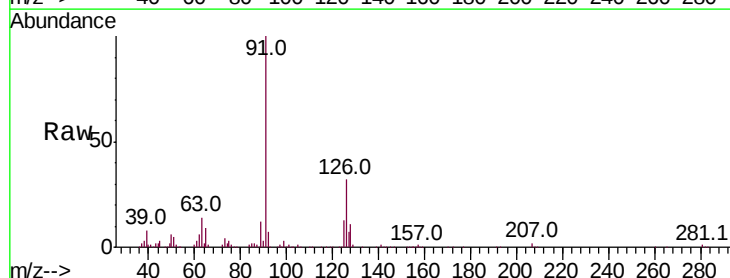
Acq: 7 Oct 2019 23:02

Tgt Ion: 91 Resp: 339949

Ion Ratio Lower Upper

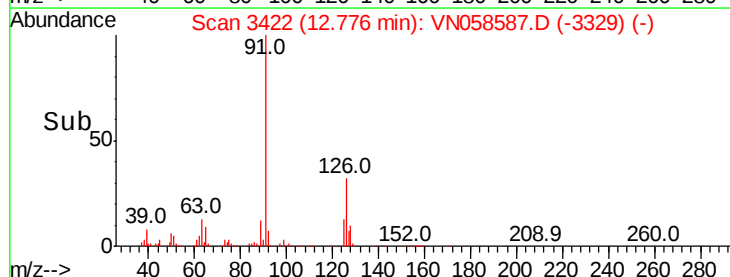
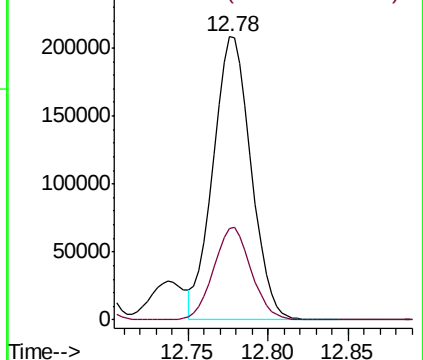
91 100

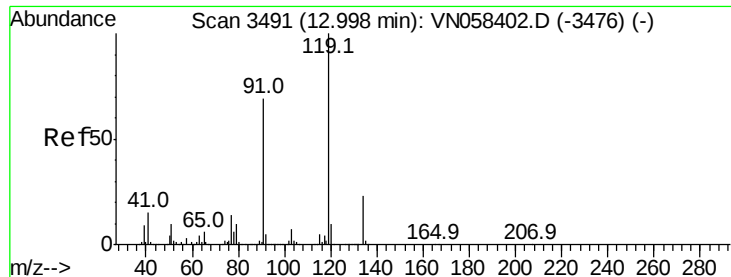
126 32.3 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

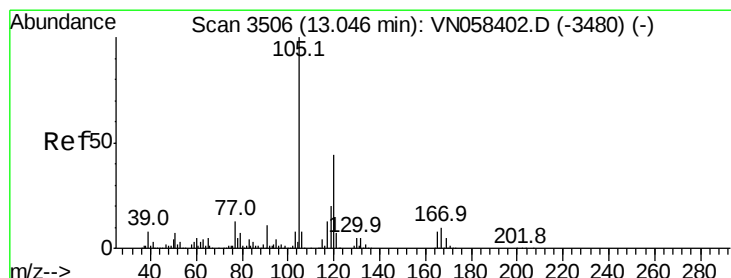
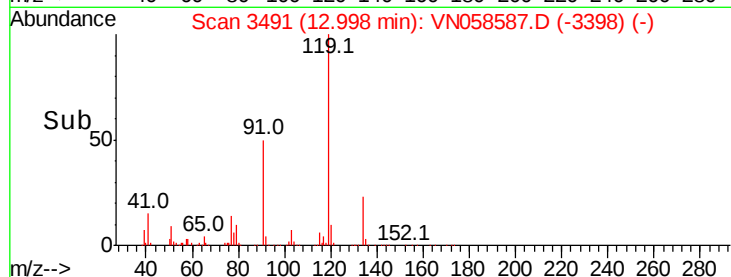
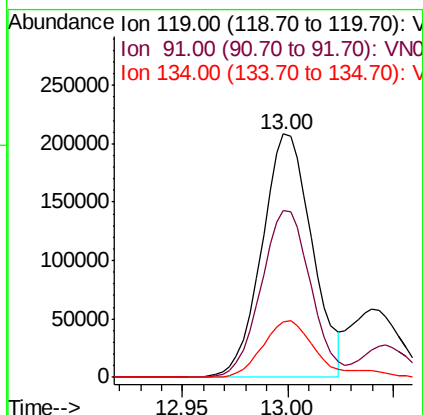
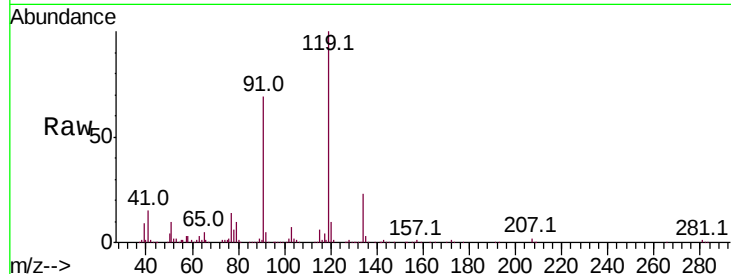




#83
tert-Butylbenzene
Concen: 20.881 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

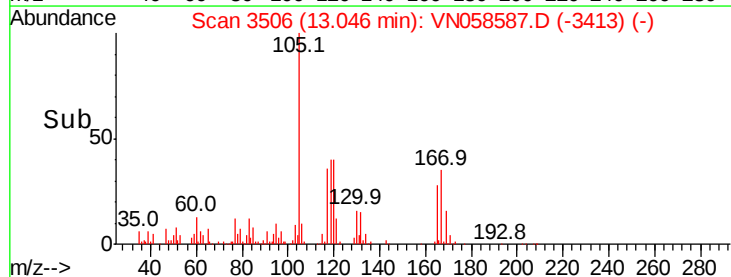
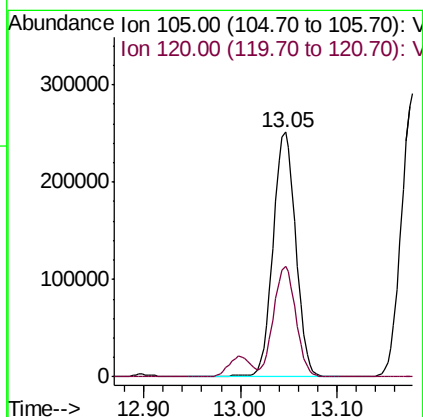
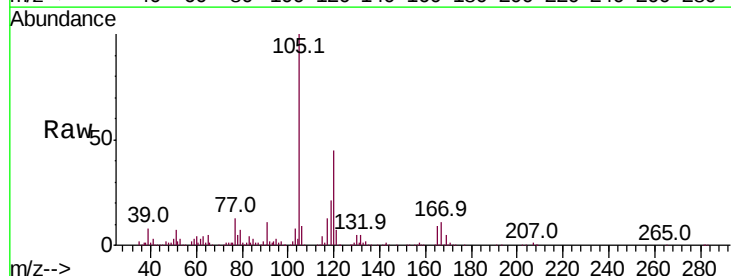
Instrument :
MSVOA_N
ClientSampled :

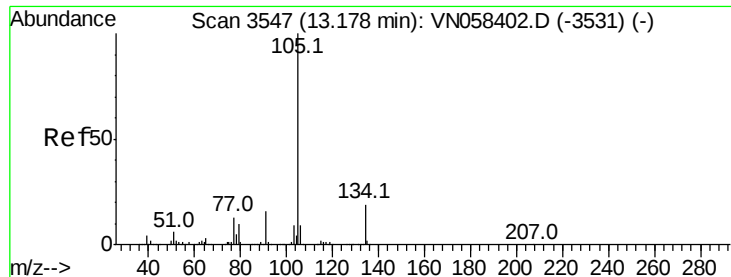
Tot Ion:119 Resp: 343463
Ion Ratio Lower Upper
119 100
91 67.9 34.2 102.6
134 23.4 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 20.998 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion:105 Resp: 410083
Ion Ratio Lower Upper
105 100
120 44.4 21.7 65.1





#85

sec-Butylbenzene

Concen: 21.217 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

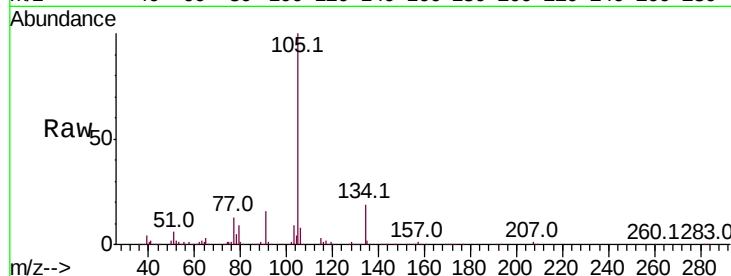
ClientSampleId :

Tot Ion:105 Resp: 459327

Ion Ratio Lower Upper

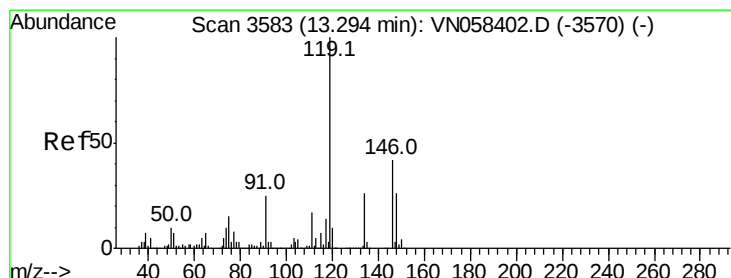
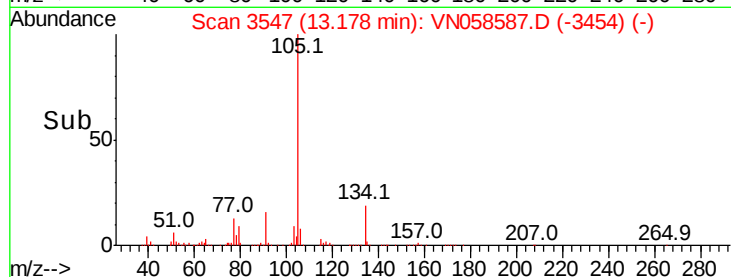
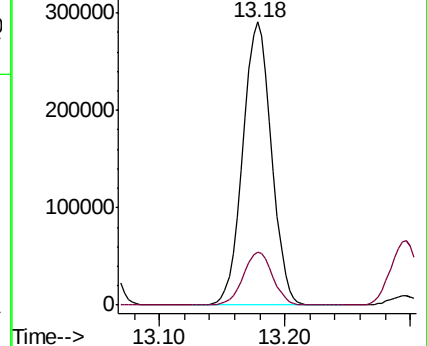
105 100

134 19.2 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.607 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

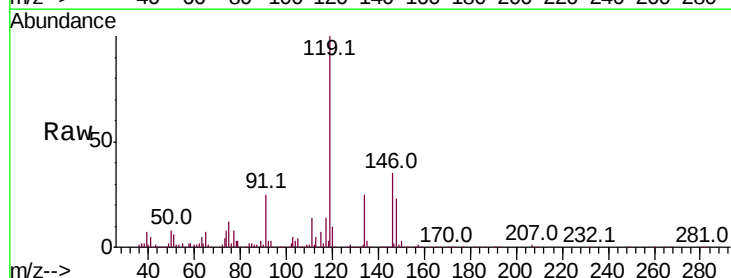
Tgt Ion:119 Resp: 411752

Ion Ratio Lower Upper

119 100

134 25.1 13.0 39.0

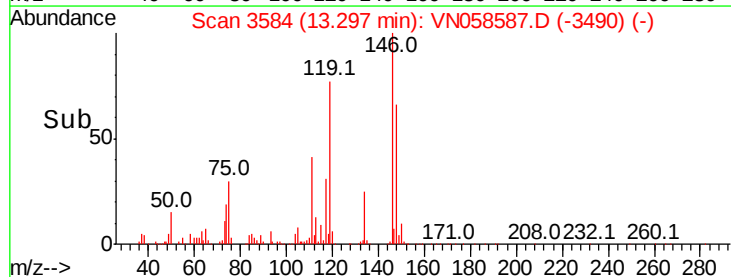
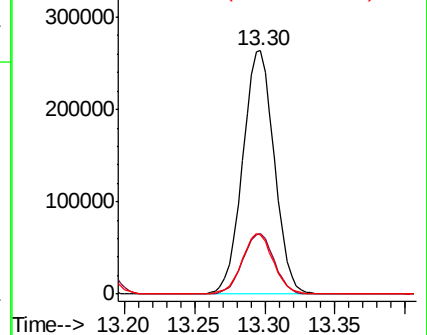
91 24.5 12.4 37.0

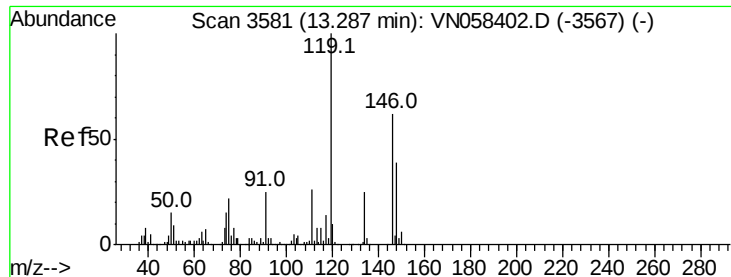


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.737 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

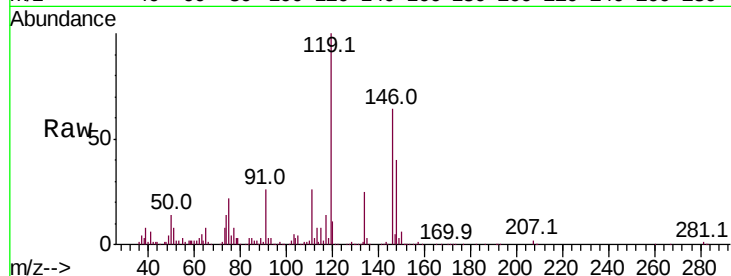
Tot Ion:146 Resp: 205308

Ion Ratio Lower Upper

146 100

111 41.3 20.8 62.4

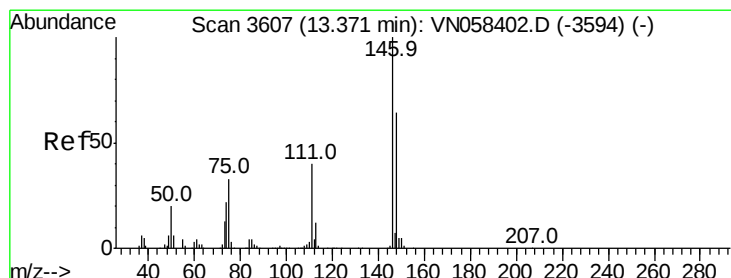
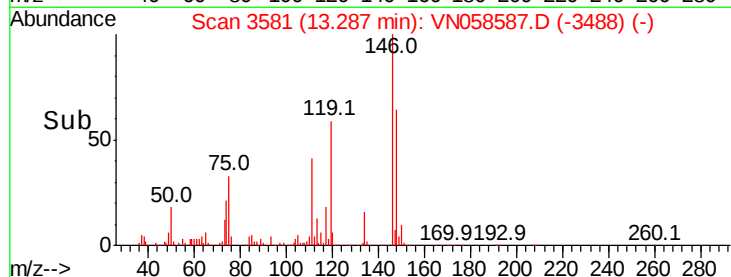
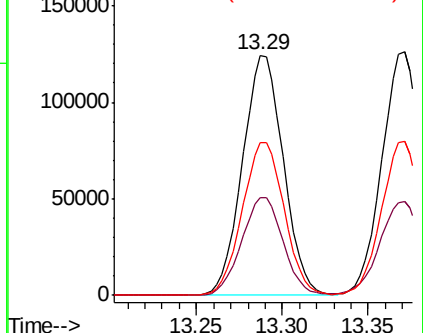
148 65.0 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.728 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

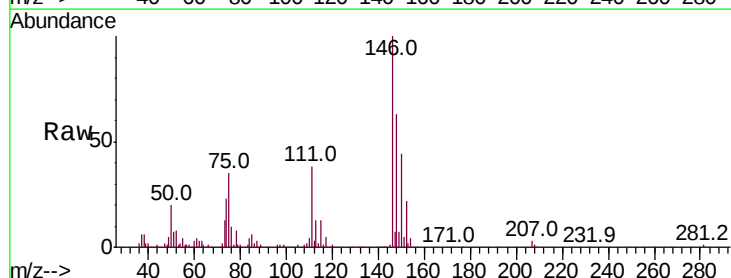
Tgt Ion:146 Resp: 204176

Ion Ratio Lower Upper

146 100

111 40.7 20.5 61.6

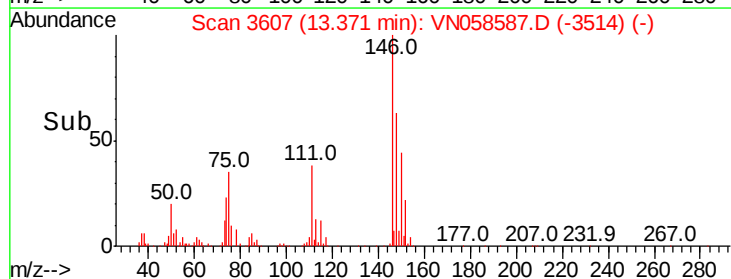
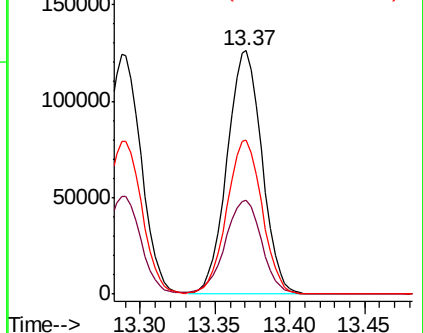
148 63.7 31.5 94.5

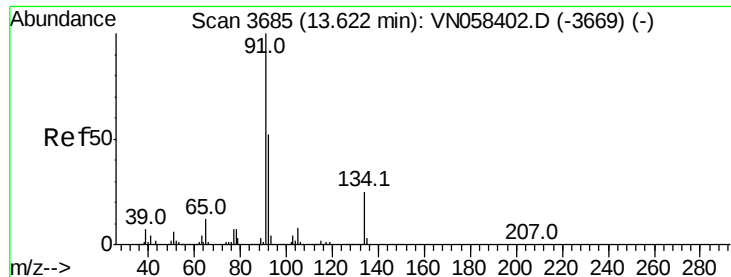


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.826 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

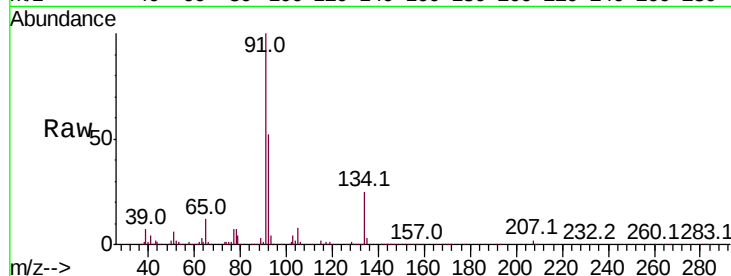
Tot Ion: 91 Resp: 359506

Ion Ratio Lower Upper

91 100

92 51.6 25.7 77.1

134 25.0 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058402.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058402.D (-3669) (-)

13.62

250000

200000

150000

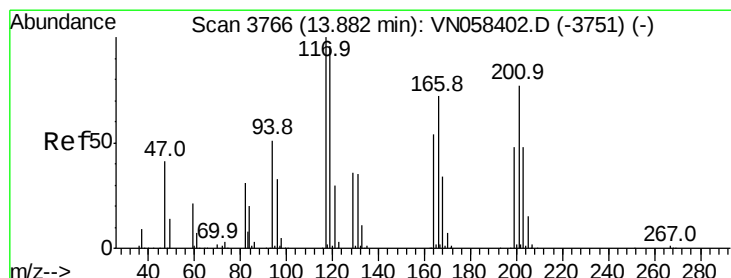
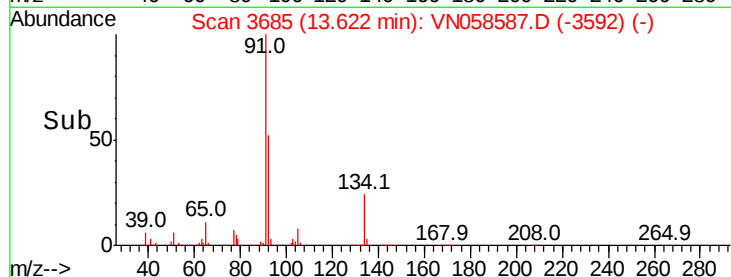
100000

50000

0

13.60 13.70

Time-->



#90

Hexachloroethane

Concen: 23.846 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058587.D

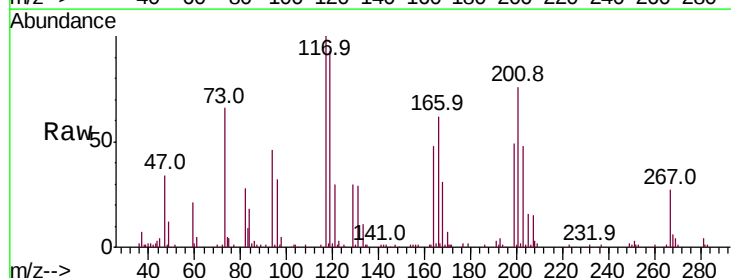
Acq: 7 Oct 2019 23:02

Tgt Ion: 117 Resp: 68276

Ion Ratio Lower Upper

117 100

201 78.9 38.6 116.0



Abundance Ion 116.80 (116.50 to 117.50): VN058402.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058402.D (-3751) (-)

13.88

40000

30000

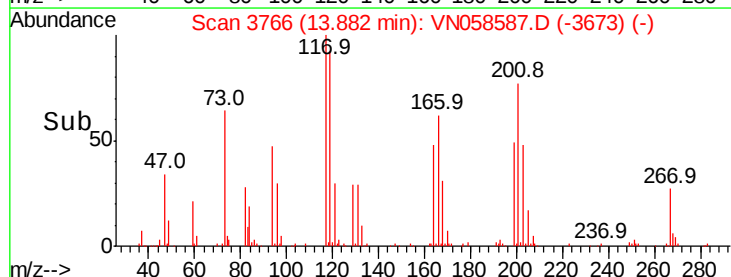
20000

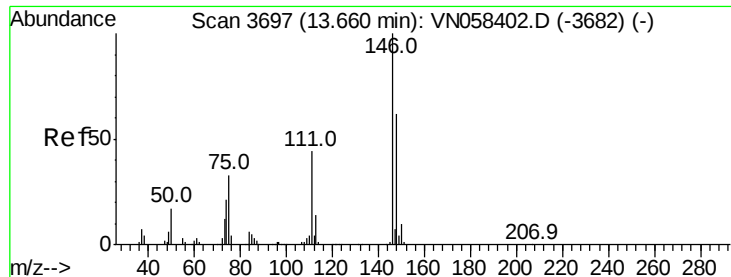
10000

0

13.80 13.85 13.90 13.95

Time-->

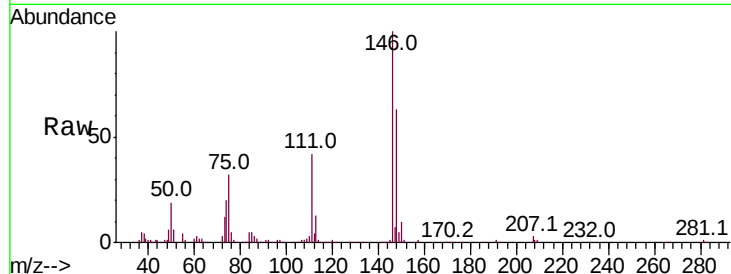




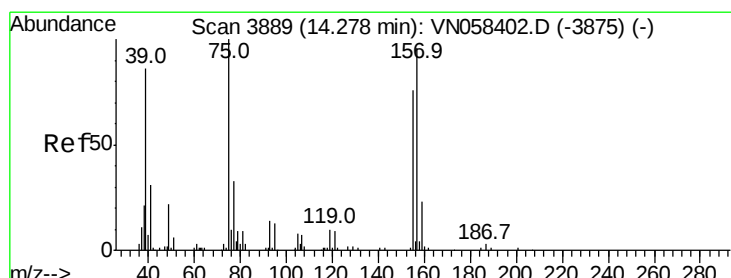
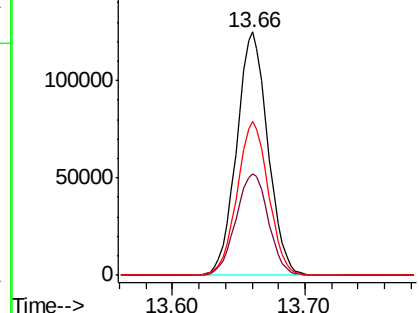
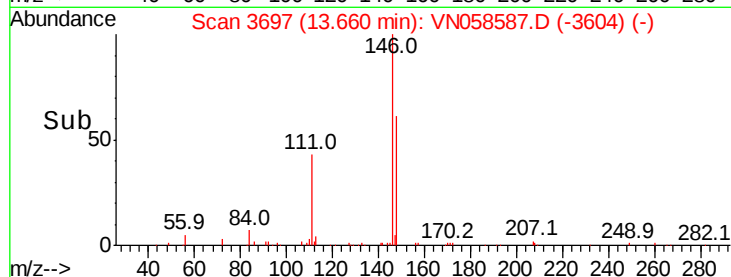
#91
 1,2-Dichlorobenzene
 Concen: 21.490 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.8	65.3
148	63.4	31.5	94.5

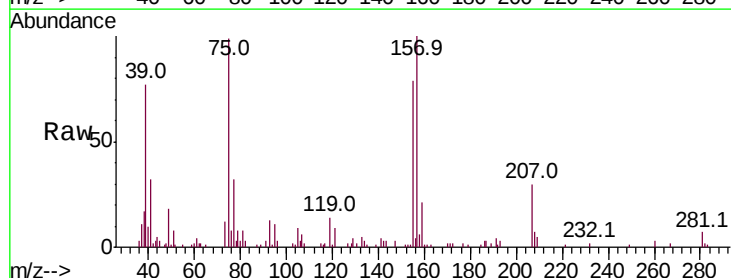


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

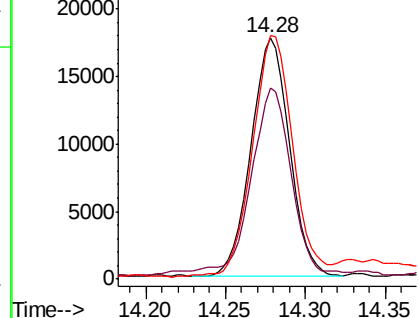
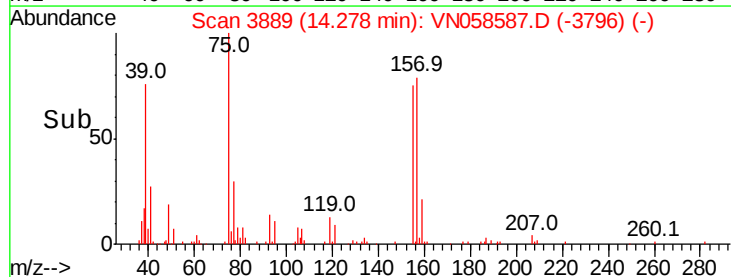


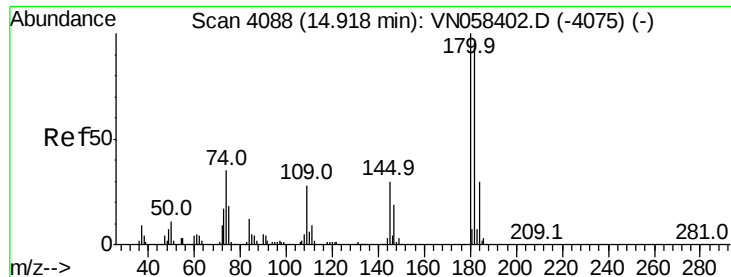
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.059 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	39.2	117.6
157	106.1	48.7	146.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

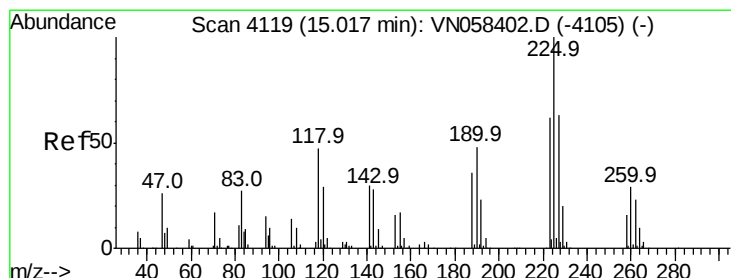
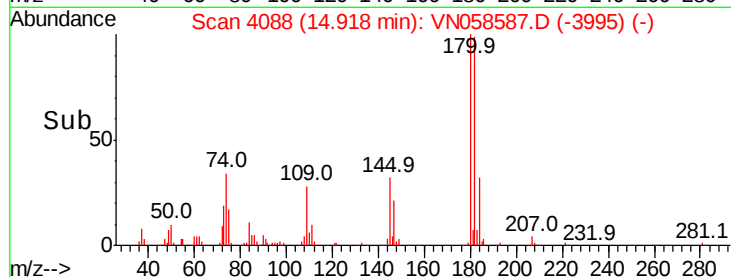
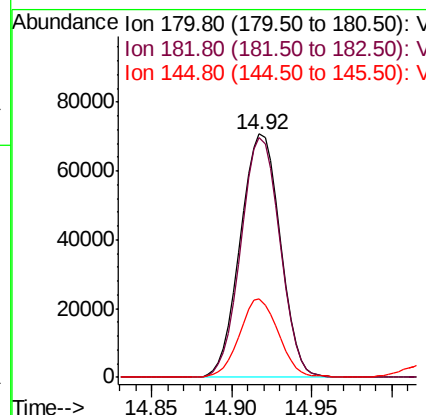
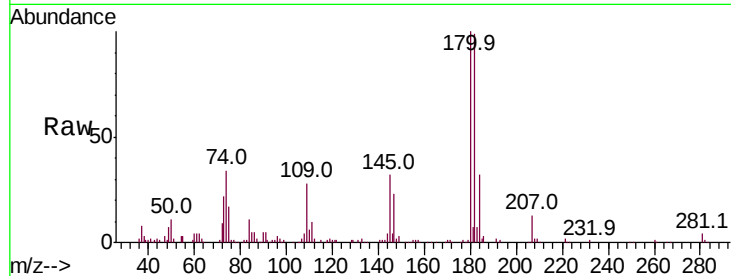




#93
 1,2,4-Trichlorobenzene
 Concen: 22.879 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

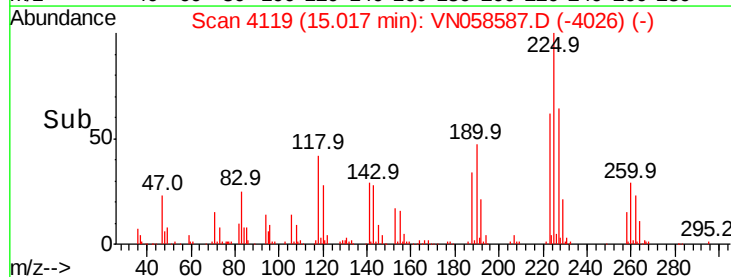
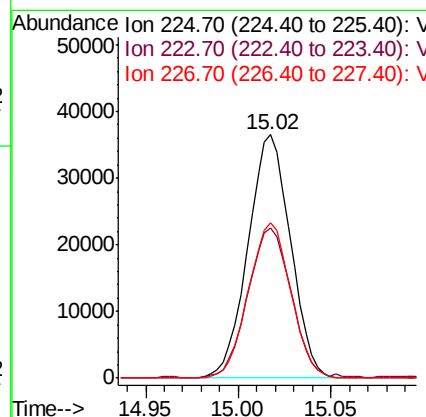
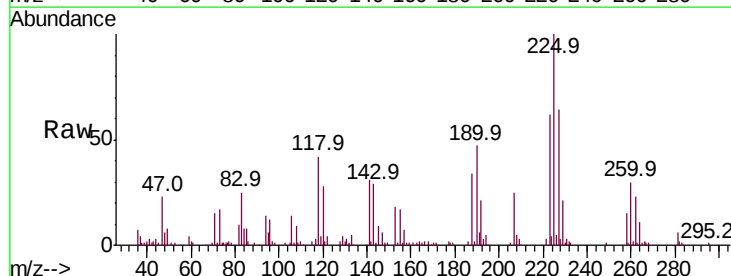
Instrument :
 MSVOA_N
 ClientSampleId :

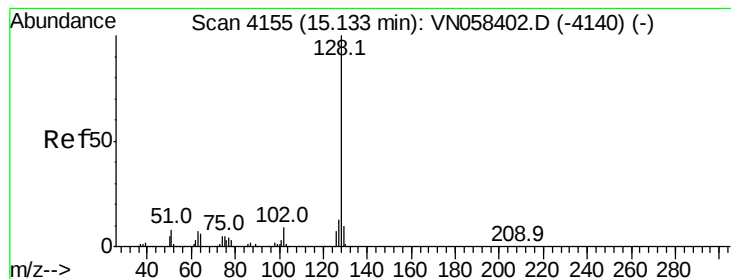
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.4	142.3
145	31.0	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 21.529 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.5
227	63.6	31.4	94.2





#95

Naphthalene

Concen: 22.544 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampled :

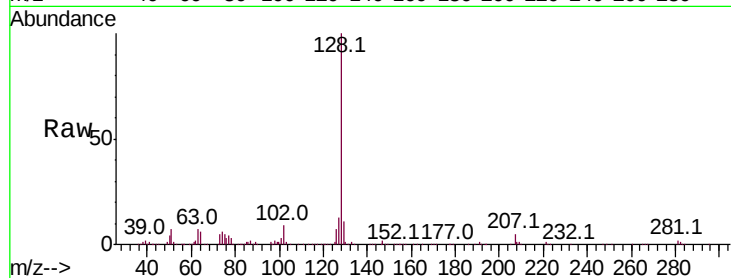
Tot Ion:128 Resp: 347294

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

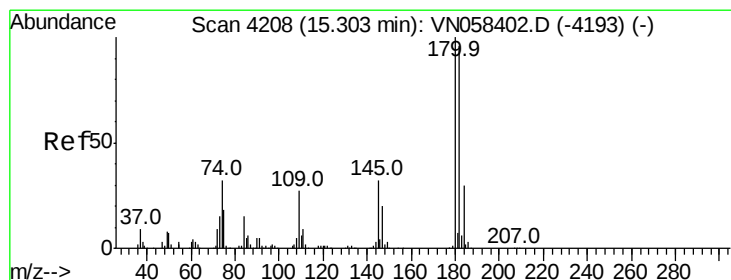
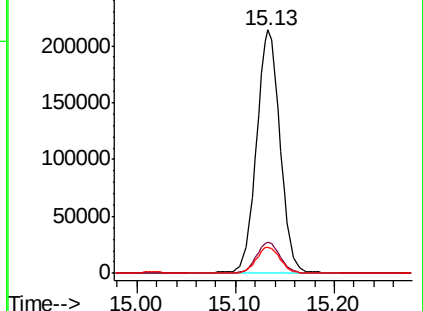
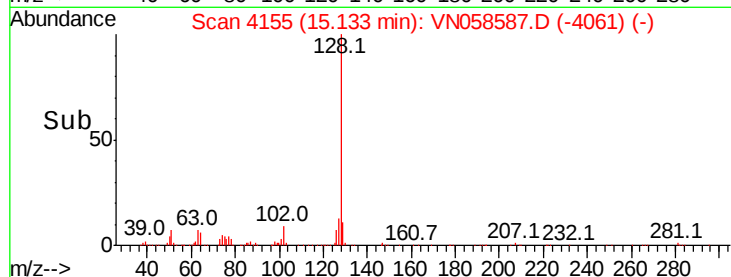
129 10.7 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.835 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

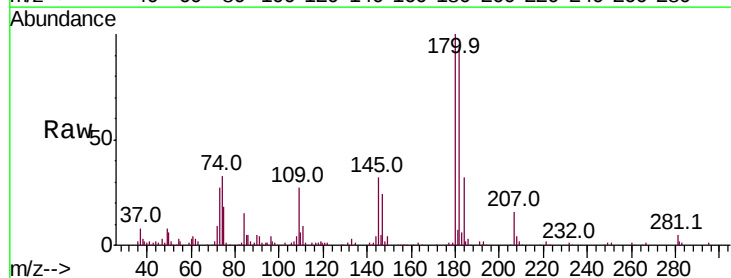
Tgt Ion:180 Resp: 115151

Ion Ratio Lower Upper

180 100

182 96.7 48.3 144.9

145 31.1 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

